

ABELS

Tested

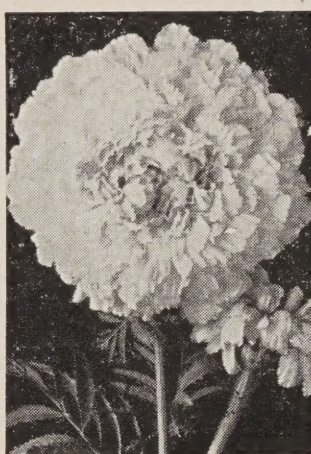
1956

GARDEN GUIDE
SEED CATALOG

SEEDS

12 NORTH NINTH STREET, READING, PA.

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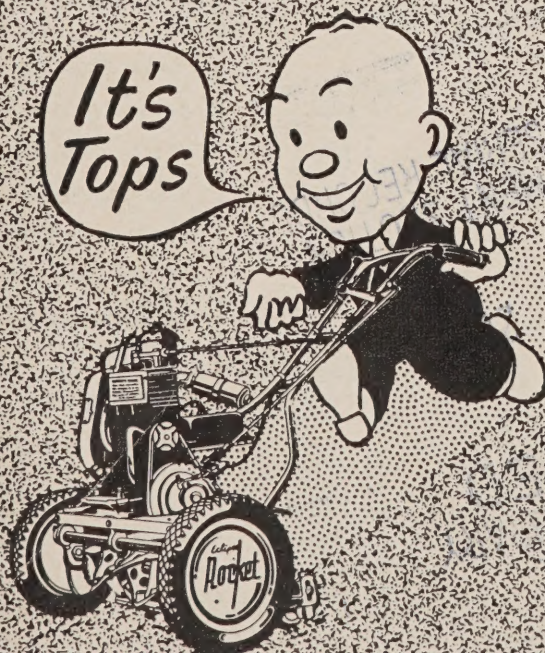
REE/RAR



**YOU
CAN
BE
SURE
OF
RESULTS
WITH
ABELS
SEEDS**

RIGHT PRICE FOR QUALITY SEEDS

*It's
Tops*

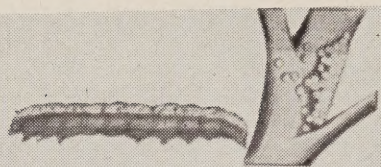


SEE
ECLIPSE
PAGE 29
ROCKET

**WE ARE AS NEAR
AS YOUR PHONE
We Deliver
Try Our Service
PHONE 3-2689**

**"It's the Crop
That Counts"**

Portrait of Garden Insects



Cutworm, 1 1/4"



Tomato Hornworm, 3" to 4"



Cabbageworm, 1"



Giant Slug, 4" or more



Japanese Beetle, 1 1/2"



Mexican Bean Beetle, 5/16"



Asparagus Beetle, 7/32"



Potato Beetle, 3/8"



Potato Flea Beetle, 1/6"



Bean Weevil, 1/8"



Chinch Bug, 3/16"



Tarnished Plant Bug, 1/4"



Red Spider Mite, 1/60"



Rose Chafer, 3/8"



Beet Leaf Hopper, 1/8"



Bean Aphid, 3/32"



Melon Aphid, 3/32"



Squash Bug, 3/8"



Sow Bug, 1/2"



Mealy Bug, 3/16"



Gladiolus Thrip, 1/16"



San Jose Scale



Corn Earworm, 2"



Oyster Shell Scale

QUICK-FIGURING CHART FOR DILUTIONS

With Liquid Materials

For Strength	Use to make 1 qt.	Use to make 1 gal.	Use to make 5 gals.	Use to make 25 gals.
1-100	2 1/2 tspns.	10 tpsns.	12 tblspns.	1 qt.
1-200	1 tspn.	5 tpsns.	6 1/2 tblspns.	1 pt.
1-400	1/2 tspn.	2 1/2 tpsns.	3 tblspns.	8 oz.
1-500	1/2 tspn.	2 tpsns.	2 1/2 tblspns.	6 oz.
1-600	1/3 tpsn.	1 3/4 tpsns.	2 tblspns.	5 oz.
1-800	1/4 tspn.	1 1/4 tpsns.	6 tpsns.	4 oz.
1-1000	1/4 tspn.	1 tspn.	5 tpsns.	3 oz.

4 tpsns. equal 1 tblspn.; 2 tblspns. equal 1 oz.; 16 ozs. equal 1 pt.

With Powdered Materials

Rate per 100 gals.	Use to make 1 qt.	Use to make 1 gal.	Use to make 5 gals.	Use to make 25 gals.
1 lb.	1 tpsn.	1 tblspn.	4 tblspns.	4 oz.
2 lb.	1 3/4 tpsns.	1 3/4 tblspns.	8 tblspns.	12 oz.
3 lb.	2 2/3 tpsns.	2 2/3 tblspns.	2 1/2 oz.	1 1/4 oz.
5 lb.	4 1/2 tpsns.	4 1/2 tblspns.	4 oz.	1 1/2 lb.
6 lb.	5 1/3 tpsns.	5 1/3 tblspns.	4 3/4 oz.	8 oz.

Measures are for material weighing the same as flour. For heavier materials, use less. Weigh if possible. Strain before using.

Our flower seeds are of the finest obtainable. We also carry a fine collection of spring flowering bulbs and plants.

VEGETABLE CHART

and Planters Guide

VARIETY	Seed Required	Seed Required per Acre	Planting Distance			Maturity from Planting to Picking	Number of Plants Required to the Acre	
			Apart in Row	Between Rows	Depth		Dist. Apart	No. of Plts.
Artichoke	1 oz.-500 plts.	1/2 #	1 1/2-2'	4'	1"	1 yr.	1' x 1'	43,560
Asparagus, Seed	1 oz.-800 plts.	4 #	3-6"	1 1/4'	1"	3-4 yrs.	1 1/2' x 1 1/2'	19,360
Asparagus, Roots	50 rts./100'	5445 rts.	2'	4'	12"	2 yrs.	2' x 1'	21,780
Beans, Bush	1 #/100'	90 #	2-3"	2-2 1/2'	1 1/2-2"	6-8 wks.	2' x 2'	10,890
Beans, Bush Lima	1 #/100'	60 #	6"	3'	1 1/2-3"	10-12 wks.	2 1/2' x 2 1/2'	6,969
Beans, Pole	1/2 #/100'	30 #	6"	3-4'	1 1/2-2"	9-10 wks.	3' x 2'	7,600
Beans, Pole Lima	1 #/100'	30 #	6"	4'	1 1/2-2"	12-14 wks.	3' x 3'	4,840
Beets	2 oz./100'	8-12 #	2-3"	1 1/2-2'	1 1/2-1"	8-10 wks.	4' x 4'	2,722
Beets, Mangels	2 oz./100'	8-10 #	6"	2 1/2'	1 1/2-1"	14-16 wks.	5' x 4'	2,178
Broccoli, Heading	1 oz.-2000 plts.	4 oz.	1 1/2-2'	2-3'	1 1/2"	9-21 wks.	5' x 5'	1,742
Brussels Sprouts	1 oz.-3000 plts.	4 oz.	1 1/2'	2-3'	1 1/2"	13-14 wks.	6' x 6'	1,210
Cabbage, Early	1 oz.-2000 plts.	4 oz.	1 1/2'	2-3'	1 1/2"	10-12 wks.	8' x 8'	680
Cabbage, Late	1 oz.-2000 plts.	4 oz.	2'	3'	1 1/2"	14-16 wks.		
Carrot	1 oz./100'	3-5 #	1-3"	1-2'	1 1/2"	9-12 wks.		
Cauliflower	1 oz.-2000 plts.	4 oz.	1 1/2-2'	2 1/2'	1 1/2"	14-16 wks.		
Celery	1 oz.-6000 plts.	4 oz.	6"	3-4'	1 1/4"	16-19 wks.		
Chicory	1 oz./100'	5 #	3"	2'	1 1/2"	15-17 wks.		
Collards	1 oz.-2000 plts.	4 oz.	1 1/2-2'	2 1/2'	1 1/2"	12-14 wks.		
Corn, Sweet	1/2 #/100'	12 #	6"	3-4'	1"	10-13 wks.		
Corn Salad	4 oz./100'	10 #	3"	1-1 1/2'	1 1/2"	6-7 wks.		
Cress	1 oz./100'	10 #	2-4"	1 1/2'	1 1/4"	5-6 wks.		
Cucumber	1 oz.-50 hills	2 #	4' hills	4-5'	1 1/2"	8-10 wks.		
Dandelion	1 oz./100'	5 #	6"	1-1 1/2'	1 1/2"	8-9 wks.		
Dill	1/2 oz./100'	5 #	6"	2-2 1/2'	1 1/2"	10 wks.		
Egg Plant	1 oz.-1000 plts.	4 oz.	2'	2 1/2'	1 1/2"	16-18 wks.		
Endive	1/2 oz./100'	4 #	8-12"	1 1/2'	1 1/2"	12-13 wks.		
Fennel	1 oz./100'	4 #	5"	2-3'	3/4"	9 wks.		
Kale	1/2 oz./100'	3 #	1 1/2'	2'	1 1/2"	8-9 wks.		
Kohl Rabi	1/2 oz./100'	4 #	3-6"	1 1/2'	1 1/2"	8-9 wks.		
Leek	1 oz./100'	4 #	2-3"	1 1/2'	1 1/2"	12-13 wks.		
Lettuce	1/2 oz./100'	3 #	6-10"	1 1/2'	1 1/2"	7-10 wks.		
Melon, Musk	1 oz.-50 hills	3 #	3' hills	4-5'	3/4"	12-14 wks.		
Melon, Water	1 oz.-30 hills	4 #	5' hills	8'	3/4"	12-14 wks.		
Mustard	1 oz./100'	4 #	4-6"	1'	1 1/2"	4-5 wks.		
Okra	2 oz./100'	8 #	1 1/2'	3'	1"	7-9 wks.		
Onion Seed	1 oz./100'	5 #	3"	1 1/2'	1 1/2"	12-16 wks.		
Onion Sets	2 qts./100'	10 bus.	3"	1 1/2'	1 1/2"	5-6 wks.		
Parsley	1/2 oz./100'	3 #	4-6"	1'	1 1/2"	10-12 wks.		
Parsnip	1 oz./100'	4 #	4"	1 1/2-2'	1 1/2"	13-14 wks.		
Peas	1-2 #/100'	120 #	1-2"	2-3'	1-2"	8-20 wks.		
Pepper	1 oz.-1000 plts.	3 oz.	1 1/2'	2 1/2'	1 1/2"	14-18 wks.		
Potatoes	7 1/2 #/100'	10 bus.	15"	3'	3"	10-12 wks.		
Potatoes, Seed		9680 plts.	3' hills	3'		18-20 wks.		
Pumpkin	1 oz.-25 hills	4 #	6'	8'	1"	15-16 wks.		
Radish, Early	1 oz./100'	10 #	1"	1'	1 1/2"	3-4 wks.		
Radish, Winter	1 oz./100'	8 #	4"	1 1/2'	1 1/2"	7-8 wks.		
Rhubarb Roots	30 rts./100'	4840 rts.	2'	3'	7"	4-6 wks.		
Rutabaga	1 oz./100'	2 #	6"	2'	1 1/2"	12-14 wks.		
Salsify	2 oz./100'	8 #	4"	1 1/2-2'	1 1/2"	16-18 wks.		
Sorrel	1 oz./100'	5 #	3"	1-1 1/2'	1 1/2"			
Spinach	2 oz./100'	20 #	4"	1'	1 1/2"	6-7 wks.		
Spinach, N. Z.	1 oz./100'	3 #	8"	2 1/2'	1"	7-10 wks.		
Squash, Bush	1 oz.-25 hills	4 #	4' hills	4'	1"	7-8 wks.		
Squash, Vine	1 oz.-15 hills	2 #	6' hills	8'	1"	12-14 wks.		
Swiss Chard	2 oz./100'	8-10 #	6"	1 1/2-2'	1 1/2"	7-8 wks.		
Tomato	1 oz.-3000 plts.	2 oz.	3 1/2'	4'	1 1/2"	14-16 wks.		
Turnip	1 oz./100'	2 #	4"	1 1/2-2'	1 1/2"	7-10 wks.		

Number of Plants Produced From An Ounce of Seed	
Asparagus	about 300
Broccoli	" 2,000
Cabbage	" 2,000
Cauliflower	" 2,000
Celery	" 3,000
Egg Plant	" 1,000
Endive	" 3,000
Kale	" 2,000
Leek	" 1,000
Lettuce	" 3,000
Pepper	" 2,000
Tomato	" 3,000
Sage	" 1,000
Thyme	" 5,000

*"It's the
Crop
That
Counts"
•
Plant
Abel's
Seeds*

February	March	April	May	June	July	August	September
Sow in Hotbed Broccoli Early Cabbage Forcing Carrot Early Celery Cucumber Eggplant Early Lettuce Parsley Pepper Radish Tomato	Sow in Hotbed Early Beets Brussels Sprouts Early Cabbage Forcing Carrot Cauliflower Celery Eggplant Kohl Rabi Lettuce Parsley Pepper Radish Tomato In Open Ground Beets Carrot Leek Onion Peas Potatoes Radish Spinach Early Turnip	Sow in Hotbed Cucumber Eggplant Melon Pepper Tomato In Open Ground Asparagus Beans Beets Brussels Sprouts Early Cabbage Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohl Rabi Leek Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip	In Open Ground Artichoke Asparagus Beans, Bush and Running Beets Brussels Sprouts Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohl Rabi Leek Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip	In Open Ground Beans, Lima and all other sorts Beets Broccoli Brussels Sprouts Late Cabbage Carrot Cauliflower Sweet Corn Cress Cucumber Endive Kale Kohl Rabi Leek Lettuce Melon Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash Turnip Herbs	In Open Ground Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Gherkin Kale Kohl Rabi Lettuce Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash Turnip Rutabaga	In Open Ground Beans, Bush Chervil Corn Salad Cucumber Endive Kale Lettuce Welsh Onion Early Peas Radish Spinach Turnip Rutabaga	In Open Ground Cabbage for cold frames Cauliflower for cold frames Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas

Start Your Garden Right

---Buy Abel's Seeds

A NEW SERVICE NOTE

Seed protectant applied to 90% of our stock. Reduces the risk of seed decay and Damping Off. Better stands, Healthier plants, and Higher yields.

ASPARAGUS

MARTHA WASHINGTON RUST-RESISTANT ASPARAGUS. A variety bred up by the U. S. Department of Agriculture, at Washington, D. C., from a careful selection of plants of the Washington variety, and is now more popular and more widely grown than any other. It produces large, beautiful straight, dark green tender shoots of the most delicious flavor.

Large Two-Year-Old Roots of Genuine Martha Washington. Ask or write for prices.

Martha Washington Seed. Can have a light cutting in 3 years. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

BEANS

Plant beans after all danger of frost is passed, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered $1\frac{1}{2}$ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming; then stop to avoid injury to the roots. (Root injury causes the blossoms to fall off.) For succession plant every 2 weeks until mid-summer. Frequent picking of the crop insures long bearing. One quart of seed sows 100 feet, and 60 pounds sows 1 acre.

BEANS BUSH GREEN POD

THIS YEAR—
For Greater Success with
Your Lawn and Garden
USE ABEL'S SEEDS

$\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 55c; 2 lbs., \$1.05; 5 lbs., \$2.50; 10 lbs., \$4.80; 25 lbs., \$10.75.

(Ask for larger quantity prices)

SUPERGREEN. 58 days. This All-America Bronze Medal Winner produces a 6 to 7 inch long, slim, smooth, dark green and stringless pod. Seed: Light brown mottled with buff.

SLENDERGREEN. 54 days. A very early bush bean. Pods 6 inches long. Round, straight, slim and dark green. Stringless. Seed: Purple splashed with buff. Garden and canning variety.

BURPEE'S—Landreth Stringless. 54 days. Pods are 6 to 7 inches long, fairly straight, light green. Stringless. Seed: Yellowish brown. Garden and canning variety.

BOUNTIFUL. 51 days. Pods are 7 inches long, straight, broad, flat, light. Stringless. Garden and canning variety.

WADE'S BUSH (New Variety). 65 days. Pods $5\frac{1}{2}$ -6 inches long, straight, meaty, dark green and stringless. Seed: Purple-Brown. Mosaic Resistant. Adapted for freezing. Garden and canning variety.

BEANS

WAX OR YELLOW PODDED

$\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$11.25.

(Ask for Larger Quantity Prices)

BRITTLE WAX or ROUND POD KIDNEY. 62 days. Pods are 6 inches long, very slightly curved, round, yellow, stringless. Seed: White with black eye. Garden and canning variety.

SURE CROP or BOUNTIFUL WAX. 62 days. Pods are $6\frac{1}{2}$ inches long, flat, straight, deep yellow, stringless. Seeds: Black garden variety.

GERMAN BLACK WAX or PENCIL POD BLACK WAX. 65 days. Pods are $5\frac{1}{2}$ to 6 inches long, round, slightly curved, yellow, stringless. Seed: Black. Garden variety.

BEANS SHELL

$\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00.

(Ask for Larger Quantity Prices)

DWARF HORTICULTURAL. 56 days. Bird egg—used both as shell and snap beans. 4"-5" pods are broad, flat, dark green streaked with red. STRINGLESS.

ITALIAN FAVA. 90 days. Similar to the English broad beans. Late and produce a fine crop of dark green $7\frac{1}{2}$ " pods. Hardier than other beans.

RED KIDNEY. 95 days. Dwarf grower and very hardy. $5\frac{1}{2}$ " pods waxy green color, oval-flat type.

WHITE KIDNEY. 100 days. $5\frac{3}{4}$ " pods. Excellent for dry shelled use. Plant large, bushy, productive.

WHITE MARROWFAT SOUP. 100 days. Extra fine shell bean. $5\frac{1}{2}$ " pods large, flat, and straight. 5 to 7 pure white seeds each pod. For baking.



BRITTLE WAX

ABEL'S SEED HOUSE, READING, PA.

POLE BEANS

GREEN-PODDED

Sow one quart to 150 hills

1/4 lb., 20c; 1/2 lb., 30c; 1 lb., 55c; 2 lbs., \$1.05; 5 lbs., \$2.50; 10 lbs., \$4.80.

KENTUCKY WONDER (Old Homestead). 65 days. 8 1/2" pods very meaty, curved and brittle. Stringless when young. Finest quality.

MAMMOTH HORTICULTURAL (Wooster Pole). 73 days. Large podded and seeded. 7" pods heavily splashed with red.

WAX-PODDED

KENTUCKY WONDER WAX. 68 days. Plant vigorous and resistant to several forms of rust, good climber, productive. 7" pods waxy yellow, oval, meaty and nearly stringless. Good flavor.

1/4 lb., 20c; 1/2 lb., 30c; 1 lb., 55c; 2 lbs., \$1.05; 5 lbs., \$2.50; 10 lbs., \$4.80.

LIMA BEANS

BUSH

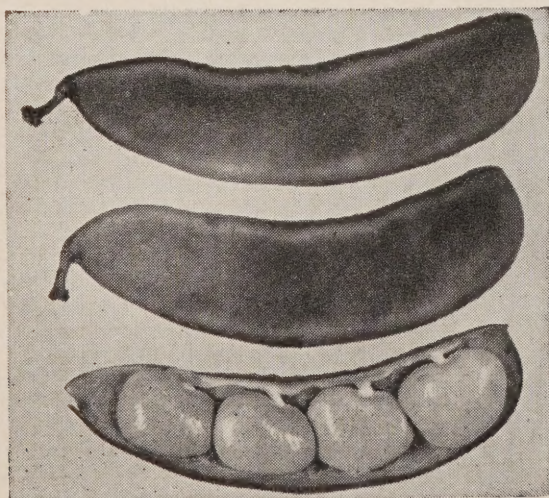
THIS YEAR—and every year—Obtain your seed directly from **ABEL'S**. They can give you helpful "On The Spot" advice and better service.

1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$11.25.

FORDHOOK NO. 242. 70 days. Top ranking Lima of the large seeded potato type. 4" pods slightly curved, containing 3-4 light green beans of excellent quality. Yields well under high temperatures. **CANNING** and **FREEZING VARIETY**.

BURPEE IMPROVED BUSH. 75 days. 5" pods enormous and in clusters of 5 or 6. Very productive.

HENDERSON BUSH. 65 days. Bush 16" erect, runnerless, dark glossy green. 3 1/2" pods curved, flat, dark green with 3 to 4 beans. **CANNING** and **FREEZING VARIETY**.



FORDHOOK 242

(All-America Bronze Medal Winner)

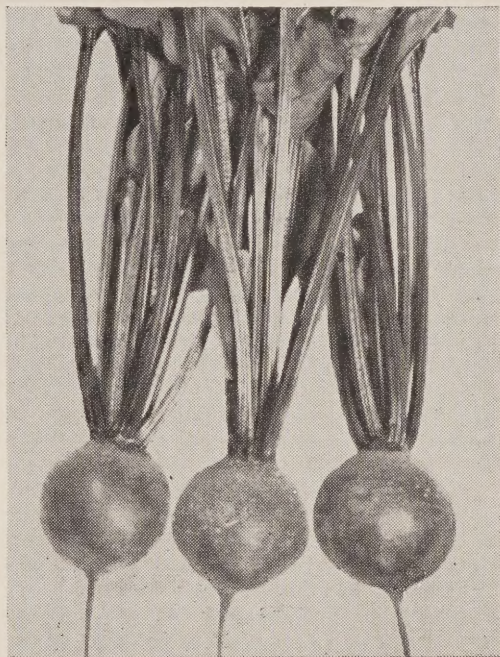
POLE-LIMA

Sow 1 quart to 150 hills.

1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00.

NEW POTATO POLE LIMA ("Burpee's Best," or "Pole Fordhook"). Very much like the Bush Fordhook—thick, meaty green Beans, 4, 5, and 6 to a pod, 4 to 8 pods in a cluster. Very prolific. Richly flavored. A fine Pole Lima.

KING OF THE GARDEN. 88 days. Plant tall, good climber, hardy, and heavily productive. 6" pods flat, smooth with 4 to 5 large, oval greenish white beans.



DETROIT DARK RED

BEETS

Sow 1 ounce to 50 feet of drill; 5 to 6 pounds per acre.

Pkt., 10c; 1/2 oz., 15c; 1 oz., 25c; 1/4 lb., 65c; 1/2 lb., 85c; 1 lb., \$1.65.

BERKS FAVORITE. 58 days. Unsurpassed in uniformity and depth of interior color. Roots semi-globular, deep red, smooth; flesh purplish red with slight zoning.

BURPEE'S RED BALL. 60 days. Desirable for home or market. Very early. Roots globular and smooth. Flesh is extremely dark red and very tasty.

CROSBY'S EGYPTIAN. 60 days. Good for early market. Roots flattened globe shape; skin fairly dark red, flesh lighter and lightly zoned. Tops small.

DETROIT DARK RED. 68 days. Standard variety for truckers, shippers and canners. Roots globular, uniform; flesh dark red with indistinct lighter red zones. Sweet and tender.

EARLY WONDER. 58 days. Good variety; roots semi-globular, dark purplish red, with small tap root. Flesh blood red with zones somewhat lighter zoning.

LUTZ'S GREEN LEAF. 75 days. For home gardens. Tops glossy green, with pink mid-rib. Flesh deep blood red with indistinct zones.

Pkt., 10c; 1/2 oz., 20c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.15; 1 lb. \$2.00.

NEW CENTURY. 75 days. An excellent main crop beet, which cooks a very deep dark red. Of good quality and an excellent keeper.

Pkt., 10c; 1/2 oz., 20c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.15; 1 lb. \$2.00.

SCHELL'S FAMOUS BLACK KNIGHT. 60 days. Unexcelled in quality, shape and color. richly flavored and uniform for bunching.

NON-WARRANTY

Wilbert N. Abel of Abel's Seed House gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they sell and will not be responsible for the crop. If the customer does not accept the goods on these terms they are at once to be returned and the amount paid for them will be refunded.

BROCCOLI

CALABRESE. Italian Green Sprouting Broccoli makes a large head of bright green, tender sprouts, which are cooked like Spinach or Brussels Sprouts and have a most delectable flavor. Sow the seed in May and harvest in August.
Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$1.25.

BRUSSELS SPROUTS

One ounce of seed will plant a row 200 feet long and make 2,000 to 3,000 plants.


LONG ISLAND IMPROVED. A choice variety grown extensively on Long Island for the New York market, where it always brings a good price. Compact plants, 20 in. tall, with solid heavy sprouts measuring 1 1/4 to 1 1/2 in. in diameter.
Pkt., 10c; 1/2 oz., 40c; oz., 75c; 1/4 lb., \$1.90; 1 lb., \$6.95.

CARROTS

One ounce of seed will sow 200 feet of row.
Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., 85c; 1/2 lb., \$1.35; lb., \$2.50.

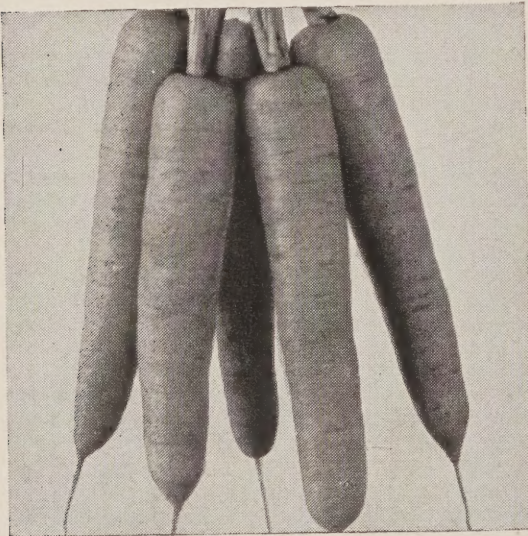
CHANTENAY (Red Cored). 70 days. Length 6". All-purpose variety for home, market, canning. Fine grained flesh of reddish orange.

DANVERS HALF LONG. 75 days. Length 6". Popular with many growers. Flesh deep orange, tender, tapers to a blunt point.

 **GOLDEN ROD or IMPERATOR.** 77 days. Length 8". An outstanding Tender Sweet variety, uniformly tapered to semi-blunt end. Flesh rich orange color, fine grained, and of excellent quality.

IMPROVED LONG ORANGE. 85 days. Length 10". Best variety for garden and field crops. Roots tapered to a point.

NANTES IMPROVED CORELESS. 70 days. Length 7". Unsurpassed in quality, sweet, mild; color is orange-scarlet.



IMPERATOR



All-America Selections—Silver Medal

CAULIFLOWER

One ounce of seed produces about 3,000 plants.
Pkt., 15c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.50; 2 oz., \$4.00; 1/4 lb., \$7.00; 1/2 lb., \$11.00.

For many years cauliflower has been esteemed as one of the most delicious of vegetables but until recently it was erroneously regarded as very difficult to grow. It is known now that the same methods which produce good cabbage will yield cauliflower successfully. The only significant difference in culture is that the heads of cauliflower must be protected from sunlight in order to assure a white curd which is so desirable. This is most readily accomplished by gathering the tops of the leaves together loosely as soon as the heads begin to form. Shut off the light but do not cramp the head.

EXTRA-EARLY SNOWBALL. One of the best for forcing or open ground.

DRY-WEATHER. This variety is especially adapted for long, dry seasons.



DRUMHEAD SAVOY

CABBAGE

One ounce of seed will produce about 3,000 plants.

COPENHAGEN MARKET. 69 days. 6 1/2" diameter. Heads round, solid and of superior quality. Excellent short season type.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25.

DANISH BALLHEAD. 103 days. 7 1/2" diameter. Heads deep round, hard, compact. Texture tender, crisp; ideal for kraut.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25.

EARLY JERSEY WAKEFIELD. 63 days. 5" diameter. Popular variety, extra early, with small compact conical heads about 7" long. Close planting, popular with market gardeners and shippers.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25.

GOLDEN ACRE. 65 days. 6" diameter. Head small, round, solid. Few outer leaves, close planting. Good for early markets.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25.

LARGE LATE FLAT DUTCH. 100 days. 12" diameter. Popular for heavy yield. Heads large, flat, solid, and of high quality.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25.

MAMMOTH RED ROCK. 100 days. 7" diameter. Heads round, hard and purplish red. An excellent keeper.
Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$2.25; lb., \$4.00.

PENN STATE BALLHEAD. 105 days. 7 1/2 inches diameter. Heads extremely hard,

ABEL'S SEED HOUSE, READING, PA.

flattened globe. Desirable for winter storage and kraut.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.25; ½ lb., \$1.90; lb., \$3.50.

PERFECTION DRUMHEAD SAVOY. 90 days. 8" diameter. Best of the Savoy type for general use. Heads nearly round, full and hard.

Pkt., 10c; ¼ oz., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.25; lb., \$4.00.

All Yellow Resistant Varieties:

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.20; 1 lb., \$3.75.

JERSEY QUEEN. 63 days. 5" diameter. Very productive and first of this group to mature. Head pointed and good for table.

GOLDEN ACRE. 63 days. 6" diameter. Heads medium size, plants short stemmed, erect, and few outer leaves. Highly resistant to cabbage-yellows disease.

WISCONSIN HOLLANDER. (Yellows Resistant). 120 days. Selected for resistance to "yellows" and is recommended for use only on "yellows"-infested land. Heads are large, round, flattened on top but quite deep, 7 to 8 inches across, weigh 6 to 8 lbs. each; bluish green in color. Good keeper and shipper. Heavy cropper. Used for kraut.

CHINESE OR CELERY CABBAGE

Not a true cabbage; resembles Cos lettuce somewhat. May be served like lettuce, or, when shredded, makes a delicious cole slaw. Boiled, it is far more palatable than ordinary cabbage. Where summers are cool, seed may be sown in spring, but in the vicinity of Philadelphia, seeds sown early in August have proved to give the best results. Makes full-size heads in about 70 days after sowing.

CHIHLI. 73 days. Deserves to be largely planted as it is an early and sure-heading Chinese Cabbage, growing 18 to 20 inches tall and about 3½ to 4 inches thick. The firm, well-blanching, white heads taper near the top. Leaves are broad, smooth and fringed at the edges. For market and roadside sales, Chihli is extensively grown, for the large attractive heads.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$1.50; ½ lb., \$2.90.

PE-TSAI. 78 days. Grows 15 to 20 inches tall and 8 inches in diameter.

Pkt., 15c.

WONG-BOK. 78 days. Short, broad, tightly folded, 8 to 10 inches high.

Pkt., 10c.

CELERIAC

(Turnip-rooted Celery)

GIANT PRAGUE. Roots of good size, round, smooth, with small tops.

Pkt., 10c; ¼ oz., 35c; oz., 60c; ¼ lb., \$1.75; Lb., \$6.00.

COLLARDS

GEORGIA. Produces a great quantity of large, succulent, cabbagelike leaves which make delicious greens. Extensively grown in place of cabbage in sections where the latter does not develop heads on account of hot weather. Three feet.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; lb., \$1.50.

CORN SALAD

LARGE SEEDED, LARGE LEAVED. This is a small, quick growing salad plant for late fall, winter, and spring use. The leaves are used as a substitute for lettuce and spinach. During August or September sow the seed in shallow drills about 1 foot apart, covering with about ¼ inch of fine soil firmly pressed down. On the approach of severe cold weather, cover with straw.

Pkt., 15c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

CRESS

Sow in spring in rows a foot apart, cover seed ¼ inch. Ready to cut in four to five weeks.

EXTRA CURLED or PEPPER GRASS. 40 days.

Pkt., 10c; oz., 50c; ¼ lb., \$1.25.

CELERY

One ounce will sow about 300 feet of row and produce about 5,000 plants.

A row of celery in the home garden will supply a family with a delicious vegetable until late in the fall. Its hardy qualities and adaptability to various soils and weather conditions make it a very desirable crop to grow.

EMPEROR (FORDHOOK). Outer leaves dark green, fading to a yellowish green inside. Stalk large, thick, heavy, tender, crisp, very little fiber; blanches to pale gold heart. Height, 18"; 125 days.

Pkt., 10c; ½ oz., 55c; 1 oz., \$1.00; ¼ lb., \$3.00; ½ lb., \$5.50; 1 lb., \$10.00.

HOUSER. Absolutely the best green celery without excepting any. When blanched it becomes a beautiful creamy white, full of hearts and every stem of it to the outside is delicious. It is not surpassed as a good keeper, and is the leading green celery in every market. Height, 18"; 125 days.

Pkt., 10c; ⅓ oz., 35c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.75; 2 oz., \$3.00; ¼ lb., \$6.00; ½ lb., \$10.00; 1 lb., \$20.00.

SALT LAKE (UTAH). A very desirable green type. Plant stocky, full hearted and compact; blanches readily. Stems thick, solid, medium broad and full rounded; of nutty flavor and fine quality. Height, 18"; 122 days.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25; 1 lb., \$8.00.

GIANT PASCAL. Green leaves. Keeps well. Blanching to yellowish white. Solid, crisp, fine flavor. Height, 24"; 135 days.

Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25; ½ lb., \$3.00.

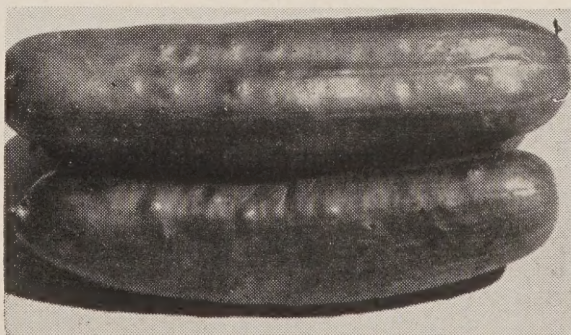
CUCUMBERS

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.35; lb., \$2.50.

A B C. 68 days. 10½" length. A leading variety for shipping and market gardens. Fruits uniform, nearly cylindrical, dark green tapering at ends.

LONGFELLOW. 70 days. 12" length. Excellent long, slender, dark green variety, good for greenhouse forcing or outdoor culture, and good variety to ship.

IMPROVED WHITE SPINE. 60 days. 7½" length. Good for slicing or dill pickles. Long, straight fruits about 2½" thick, with square, blocky ends.




BURPEE HYBRID CUCUMBERS

EARLY FORTUNE. 58 days. 9" length. Dependable. Flesh is pure white, firm, and crisp texture. Flavor is delicious. Excellent for home and market; ships well.

EARLY JERSEY. 54 days. Very productive; the small fruits are used for pickles, larger ones for sweet pickles.

LONDON LONG GREEN. 67 days. 11" length. Fruits deep green, slightly tapered; heavily warted, good quality. Young fruit makes fine pickles.

 **STRAIGHT "8".** 66 days. 8" length. Fruits uniformly cylindrical, white spine, rounded at ends, medium green. Ideal shipper and good for home or market gardens.

BURPEE HYBRID. 60 days. High resistance to mosaic and downy mildew are the outstanding attributes of this true, first generation (F1) hybrid, white spine, slicing type cucumber. Vines are extremely vigorous, long lived and bear an abundance of well-formed green fruits of handsome appearance, 8 inches and more long, 2½ inches wide, square at both ends with medium seed cavity and crispy, white flesh of excellent quality. Burpee Hybrid Cucumber outyields open pollinated varieties because the vines continue to produce their fruits most profusely for a long time after the others have ceased.
Pkt., 35c; ¼ oz., \$1.50; ½ oz., \$2.75; oz., \$4.75.

EGGPLANT

This is a semi-tropical plant which requires continuous warm weather for best results. The seed germinates slowly and should be started in a hot bed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants 2½ to 3 feet apart. Young plants should be shaded from hot sun and sprayed with Paris Green as a protection from potato bugs.

Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

BLACK BEAUTY. Fully 10 days earlier than Improved New York Spineless. Healthy grower and large fruit.

SWEET CORN HYBRIDS


¼ lb., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.70; 25 lbs., \$13.50.

ARISTOGOLD BANTAM. 83 days. 9", 12-14 row ears. Top winner in All America Seed Trials. Exceptional yield in all types of weather. Sweet, tender and delicious.

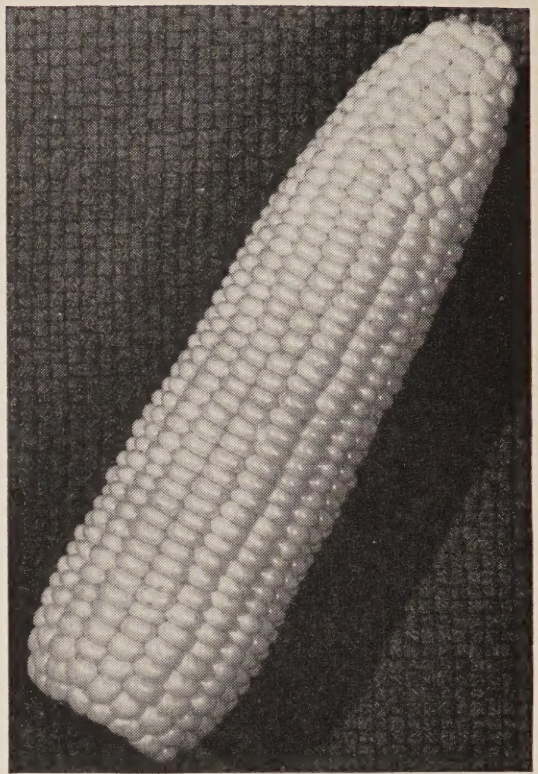
GOLDEN CROSS BANTAM. 85 days. 8", 10-14 row ears. Uniform ears, highly resistant to bacterial wilt. Kernels rich yellow, medium size.

GOLDEN NUGGET. This variety, maturing in approximately Golden Cross Bantam season, is an excellent processing corn for canning and freezing, as well as home and market garden. Stalks average 7½-8 ft. tall with 1 to 2 tillers per plant. Ears range from 8-8½ inches, very cylindrical, with 12 to 16 uniform rows of medium yellow, tender and sweet kernels. Ears have long, dark green husk cover, with good flag leaves.


If you have need for a hybrid of exceptionally fine quality and good yielding ability, we recommend Golden Nugget.

 **IOANA.** 90 days. 8½", 12-16 row ears. High yielding, popular for canning and market garden. Rows medium width, light yellow kernels, uniform.

SILVER CROSS BANTAM. 82 days. 8½", 12-14 row ears. The best flavor in a white corn.



GOLDEN NUGGET

 **STOWELL'S EVERGREEN.** 95 days. 8"-9", 16 row ears. White kernels, high yielding, large ears. Good for canning, market and garden.

TENDERMOST BANTAM. 83 days. 9", 14-16 row ears. Most tender and sugary-sweet. Good resistance to smut, easy growing and best eating.

IOCHIEF. 83 days. Ears 8½" long, 14 to 18 rows. A very productive yellow hybrid developed by Dr. E. S. Haber, Iowa State College. Drought resistant, vigorous, practically suckerless, and bears ears high on the stalks. All American Selection Gold Medal 1951.

GOLD RUSH. 66 days. Ears 8½" long, 12 to 14 rows. The one best first-early yellow hybrid for the early market. Ears fully as large as those of Golden Cross Bantam and nearly two weeks earlier. The combination of earliness and beautiful ears is almost unbelievable. Its earliness is extremely useful to canners.

VICTORY (Alphabest (Y)). 65 days. Ear—9" long, 8 to 10 rows, medium yellow, excellent quality, sweet and tender with well filled tips, long protecting husk. Plant—5½ feet tall, vigorous, makes good early growth, dark green, drouth resistant. Good canner and freezer.

OPEN POLLINATED VARIETIES

¼ lb., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.30; 25 lbs., \$7.50.

COUNTRY GENTLEMAN. 95 days. 7"-8". Shoe peg with deep fine grains irregularly placed. White and exceptionally sweet.

EARLY EVERGREEN. 90 days. 8", 14-20 row ears. Medium size white kernels of good quality and sweetness. Market, garden and canning.

GOLDEN BANTAM. 78 days. 6½", 8 row ears. Highest flavor and sweetness. Excellent Northern strain, hardy.

STOWELL'S EVERGREEN. 98 days. 8"-9", 16 row ears. Grains long and white. Hardy and high yielding. Good for canning, market and garden.

ABEL'S SEED HOUSE, READING, PA.

GRAHAM—8 Row White Corn—What all of Berks Co. is asking for). Seed for above variety furnished by a Lancaster Co. Farmer to our grower. A fine 8 row white variety ears 6 to 8" long. Tall fodder, many ears per stalk, heavy yielder, kernel is round like Golden Bantam. 100 days. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.70; 25 lbs., \$13.50.

POP CORN

$\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 95c.

MONARCH WHITE RICE. This is the best Pop Corn for home or market. Select ears.

QUEEN'S GOLDEN. Stalks grow 6 feet high, with large ears produced in abundance. It pops perfectly white and a single kernel will expand to a diameter of nearly one inch.

DANDELION

IMPROVED BROAD LEAVED. Unsurpassed in thickness of leaf and deep green color. It is compact and forms an upright regular tuft at the center. This cabbaging sort is much superior to the common or uncultivated dandelion.

Pkt., 20c; $\frac{1}{2}$ oz., 60c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.80; lb., \$12.00.

ENDIVE

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., 90c; lb., \$1.75.

Ounce sows a row 200 ft.; 4 lbs. to acre

Sow seed in early spring, then again in June or July for late crop. Tie up the leaves for two weeks with soft twine or raffia to blanch them before using or selling.

FULL HEART BATAVIAN (Escarolle). Large broad, plain, dark green leaves, curled only slightly on the edges and blanching to beautiful yellow. 71-80 days.

GREEN CURLED. The most hardy and vigorous sort, leaves bright, deep green with the outer midribs usually showing a trace of rose, readily blanches a creamy white. 76 days.

WHITE CURLED. A very distinct, small sort. Plant 12-13 inches in diameter, leaves finely curled with broad ribs slightly rose tinged. Creamy white at the heart. Handsome in appearance and of fine flavor. 73 days.



BATAVIA FULL HEART

 All-America Selections—Award of Merit

ABEL'S SEED HOUSE, READING, PA.

KOHL-RABI

EARLY WHITE VIENNA. An early, smooth, white, medium-sized variety having few leaves. Ready for use in about 10 weeks.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 55c; $\frac{1}{4}$ lb., \$1.25.

EARLY PURPLE VIENNA. Later than Early White Vienna.

HERBS—Aromatic, Medicinal, and Pot

Herbs belong in every vegetable garden and, because of their ornamental appearance, may also be grown in the flower garden to serve a double purpose. We offer seed of the most popular varieties, for which you will find use throughout the season. For winter, dry the foliage and keep in air-tight bottles. In the case of Dill, the seeds are also used for flavoring.

BASIL, SWEET. 85 days. Annual. $1\frac{1}{2}$ to 2 ft. The leaves, green or dried, are chiefly used as a seasoning for soups, stews, fish sauces, vinegar, beans, peas, omelets, salad and meats.

Pkt., 25c.

CATNIP or CATMINT. 60 days. Perennial. The green or dry leaves are used for seasoning. An excellent tonic for animals. Also used at tea for nervous headaches. Easily grown.

Pkt., 15c.

CHIVES. 80 days. Hardy perennial plants of the Onion type. Easily grown from seed. The small leaves are used for flavoring and seasoning and when minced are tasty in sandwiches.

Pkt., 20c.

DILL. 70 days. Annual. $2\frac{1}{2}$ feet tall. The young stems are nice for flavoring soups and sauces and are used extensively in a minced state with lettuce. The dry branches and seeds are much prized for flavoring dill pickles.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

FENNEL, FLORENCE. Also known as Finichio. 60 days. Annual. One of the finest delicacies. The enlarged leaf base is used in fish sauces; stalks are eaten like Celery.

Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 85c.

LAVENDER, TRUE. 60 days. Perennial. Flowers are dried and placed in the linen closet to impart their perfume to the linens. Also used as a repellent to moths. Flowers are lavender-blue.

Pkt., 25c.

SWEET MARJORAM. 70 days. An annual delicacies. The enlarged leaf base is used or dried in special dishes, and particularly in the manufacture of sausages. Used as tea it will be found helpful for indigestion.

Pkt., 20c.

SAGE. 70 days. An indispensable perennial much in demand for adding flavor to many different kinds of dishes. Used either fresh or dry. As tea, very effective against coughs and sore throat.

Pkt., 20c.

SUMMER SAVORY. 60 days. An annual herb growing 12 inches tall, used for flavoring salads, dressings, and gravies.

Pkt., 20c.

THYME. 70 days. A perennial with aromatic foliage which is used for flavoring soups, stews, gravies, etc. As tea it is an excellent remedy for coughs.

Pkt., 25c.

KALE or BORECOLE

DWARF-CURLED SCOTCH KALE. This is the variety usually sown in the fall for spring market. It is low-growing with finely curled leaves of deep green.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

LETTUCE

One ounce of seed will sow 100 square feet or 120 feet of drill.

LEAF LETTUCE

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.00; lb., \$1.85; 5 lbs., \$1.75 per lb.; 10 lbs., \$1.60 per lb.; 25 lbs., \$1.50 per lb.

GRAND RAPIDS. An excellent forcing variety as well as one of the best for outdoor planting. Plant erect; leaves medium light green, very curled and fringed. Stands heat and dry weather well. 43 days.

EARLY CURLED SILESIA. A favorite curled or loose-leaved sort for the home garden.

EARLY PRIZE HEAD. A non-heading variety. Very early, quick growing, making a lot of good eating leaves of excellent flavor. Leaves are light green with very ragged brown edges. A most popular variety with home gardeners. 47 days.

BLACK-SEEDED SIMPSON. Forms large, loose yellowish-green leaves, crumpled and frilled, exceedingly tender and crisp. Very popular home garden variety as it is very early. 46 days.

OAK LEAF. 40 days. Forms a tight bunch or rosette of medium green leaves which are deeply lobed, with the end lobe elongated, giving the plant a spiky appearance. Tender, heat resistant, of excellent quality retaining its flavor late in summer after other varieties have turned bitter. Seed crop is short.

Pkt., 15c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.40; 5 lbs., \$2.25 per lb.; 10 lbs., \$2.00 per lb.; 25 lbs., \$1.90 per lb.



OAK LEAF

HEAD LETTUCE

GREAT LAKES. 82 days. Bronze Medal, 1944 All-America Selections. A decidedly crisp heading lettuce of the Imperial type. It is of excellent quality and exceedingly sweet and tender. A superior summer Lettuce that stands heat and sun and is exceptionally resistant to tip-burn injury. Very slow to shoot to seed. It does equally well in cool weather and will produce large solid heads.

Pkt., 15c; ¼ oz., 20c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00; ½ lb., \$3.75; lb., \$6.00.

IMPERIAL 44. Heads medium dark green, very large, solid and firm, slightly flattened and of good market type and quality. 82 days.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00.

IMPERIAL 847. Heads are medium large, hard, fine and well covered by the inner leaves. Stands up well in summer weather, resisting tip burn. 84 days.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; ½ lb., \$2.25; lb., \$4.00.

ICEBERG. Large curly leaves of bright, light green with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center which is constantly and thoroughly blanched. 80 days.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50.

WHITE BIG BOSTON. Similar to white seeded Big Boston, but with leaves slightly lighter green and free from a brown tint; heart buttery yellow; of excellent quality. Highly desirable for nearby markets. 76 days.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00.

BIG BOSTON. Fine for coldframes or outdoors. Heads large and solid.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50.

ALL THE YEAR ROUND. A variety for sowing in the fall for wintering over to have early head lettuce the first thing in the spring. Finest quality, solid heads with creamy yellow center. Sow the seed about August 15 to September 10. About the end of October set the plants to remain permanently in as warm and favorable situation as possible. Protect with straw during frosty weather. Heads begin to form in April.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50.

COS or ROMAINE

SELF-FOLDING COS or ROMAINE. Sow early and tie up to blanch. Long-leaved, crisp and tender.

Pkt., 10c; oz., 30c; ¼ lb., 70c; ½ lb., \$1.50; lb., \$2.25.

LEEK

LARGE AMERICAN FLAG. The kind mostly grown for market.

Pkt., 10c; oz., 65c; ¼ lb., \$1.50.

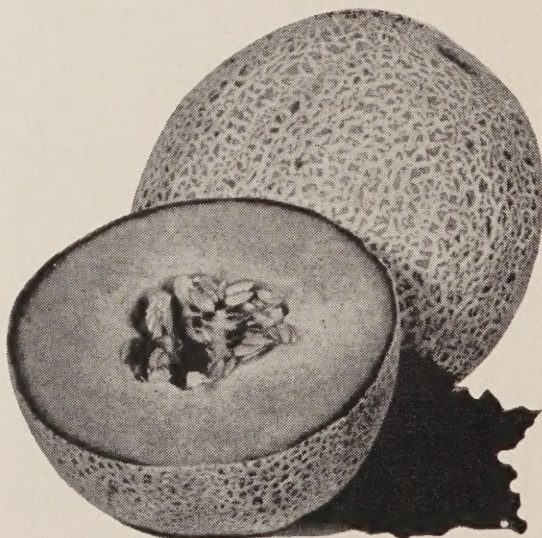
MUSKMELON

One ounce of seed will sow 80 hills; 2 to 3 pounds an acre.

Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25; lb., \$2.25.

BENDER'S SURPRISE. 95 days. Skin light greenish-yellow when ripe. Delicious, large salmon-fleshed melon.

HALE'S BEST. 80 days. Early variety, fruits 6" to 6½" long, flesh thick, fine grained, deep salmon-pink, and richly flavored.



PRIDE OF WISCONSIN

ABEL'S SEED HOUSE, READING, PA.

IMPERIAL NO. 45. 86 days. Disease resistant, orange flesh; popular commercial variety. Good producer.

PRIDE OF WISCONSIN. 90 days. For home gardens and local markets. Firm, thick orange flesh, excellent flavor.

ROCKY FORD. 92 days. Fruits small, nearly round, faint ribs; flesh thick, green with salmon tinge to center.

MUSTARD

FORDHOOK FANCY. The plume-like leaves of this variety are closely curled and finely fringed. The medium yellowish green color and compact erect habit of growth lends a decorative touch to the garden and the tender quality and fine flavor of this variety render it one of the most desirable for salads and greens.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

OKRA or GUMBO

Plant in rows about $2\frac{1}{2}$ feet apart, dropping 4 or 5 seeds to the foot and covering about an inch deep. Thin to about $1\frac{1}{2}$ feet in the row and keep thoroughly cultivated.

CLEMSON SPINELESS. 56 days. 7 to 9 in. dark green pointed pods without spines and grooved only slightly. Plants grow 4 ft. tall and produce their long, tender, meaty, spineless pods in abundance.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 55c.

ONIONS

One ounce of seed will sow 100 feet of drill; 5 pounds an acre.

A row or two of onions in the home garden will furnish a supply which will continue from midsummer to the following spring. Onions are very hardy and the seed will germinate in cool weather. It can be planted safely just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall the young plants can be thinned enough to prevent crowding. They may be thinned when 6 or 8 inches in height and the plants which are removed will be ready for use as green onions. From then on they can be used as needed and when fully ripened the unused bulbs can be stored for winter.

YELLOW GLOBE DANVERS. An early and abundant cropper. Large, very thick bulb, flat or slightly convex bottom, full oval top, with small neck, and rich, brownish yellow skin. 110 days.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.25.

SOUTHPORT YELLOW GLOBE. Form nearly ovoid, regular, and symmetrical; mild and pleasant flavor; slightly later than the other yellow sorts. Keeps well. 115 days.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.35; $\frac{1}{2}$ lb., \$2.50; 1 lb., \$4.75.

SOUTHPORT WHITE GLOBE. Handsome, uniformly globe-shaped bulbs with firm, fine-grained flesh of mild flavor. Yields abundantly. 110 days.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.35; $\frac{1}{2}$ lb., \$2.50; 1 lb., \$4.75.

EBENEZER or JAPANESE ONION. Not unlike Yellow Globe Danvers in shape and size but superior in flavor and a better keeper. Grown extensively for sets. 100 days.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.35; $\frac{1}{2}$ lb., \$2.50; 1 lb., \$4.75.



SWEET SPANISH (Riverside Strain)

SWEET SPANISH (RIVERSIDE STRAIN).

This finely bred strain is steadily increasing in popularity due to its large size, attractive yellowish-brown covering and excellent flavor. Under favorable conditions the globe shaped bulbs often weigh 2 pounds and always possess a most delicious mild flavor. It keeps well. 114 days.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.35; $\frac{1}{2}$ lb., \$2.50; 1 lb., \$4.75.

ONION SETS

6 to 12 bushels (according to size) are required to set an acre in drills. Prices vary according to the market. Write for prices and samples.

PARSLEY

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

PARAMOUNT. A recent introduction of triple curled type. Plant slow growing, very dark green, tall and with stout stems for bunching. 85 days.

PLAIN (SINGLE). Plain leaves of excellent flavor.

DARK MOSS-CURLED. The leaves are of an extra-dark green color.

TURNIP-ROOTED (HAMBURG). The edible portion is the fleshy root which resembles a small parsnip, and is used for flavoring soups, stews, etc.

PARSNIP

LONG SMOOTH (HOLLOW CROWN). A large cropper that is tender, sugary, and popular for general cultivation, but requires a deep soil.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 75c; lb., \$1.90; 2 lbs., \$3.50.

PEAS

Peas require moderate temperature, plenty of moisture and increasing daylight for maximum development. They are immune from injury by light frosts and may be planted as early in the Spring as the condition of the soil will permit. The earliest plantings are usually the most successful. In most every case a quart of peas equals 1½ pounds.

The seeds should be planted in rows at a depth of 1½ to 2 inches. The rows should be 21 to 28 inches apart for dwarf varieties and about 28 to 42 inches apart for the taller sorts.

¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 95c; 5 lbs., \$2.30; 10 lbs., \$4.30; 25 lbs., \$9.50.

NOTE
WHEN TO PLANT—TIME TO PLANT—
HOW TO PLANT
See Page No. 3

ALDERMAN. 72 days. Vine 40 inches, dark, heavy. Pod 4½ inches, dark, pointed. Seed very large, wrinkled. Wilt resistant. Freezing variety.

AMERICAN WONDER. 60 days. Vine 22 inches, medium, heavy. Pod 2¾ inches, light, blunt. Seed medium size, wrinkled.

EXTRA EARLY BLUE BANTAM. 65 days. Vine 20 inches, dark, heavy. Pod 4 inches, dark, pointed. Seed large, wrinkled.

DWARF TELEPHONE. 70 days. Vine 18 inches. Pod 4 inches, 7 to 8 pods. Seed very large, semi-wrinkled.

EARLY BIRD. 60 days. Vine 18 inches, light, coarse. Pod 4 inches, dark, pointed. Seed large oval, smooth.

FREEZONIAN. 63 days. Vine 30 inches, dark, medium. Pod 3½ inches, dark green, blunt. Seed large, wrinkled. Wilt resistant. For freezing.

GIANT PODDED HAMPER. 66 days. Vine 24 inches, dark, heavy. Pod 4½ inches, dark, pointed. Seed large, wrinkled.

GRADUS. 65 days. Vine 36 inches, dark, heavy. Pod 4 inches, dark, pointed. Seed large, wrinkled. Wilt resistant. Freezing variety.

LAXTONIAN. 65 days. Vine 20 inches, dark, heavy. Pod 4 inches, dark, pointed. Seed large, wrinkled.

LITTLE MARVEL. 63 days. Vine 18 inches, dark, medium. Pod 3 inches, dark, blunt. Seed large, wrinkled.

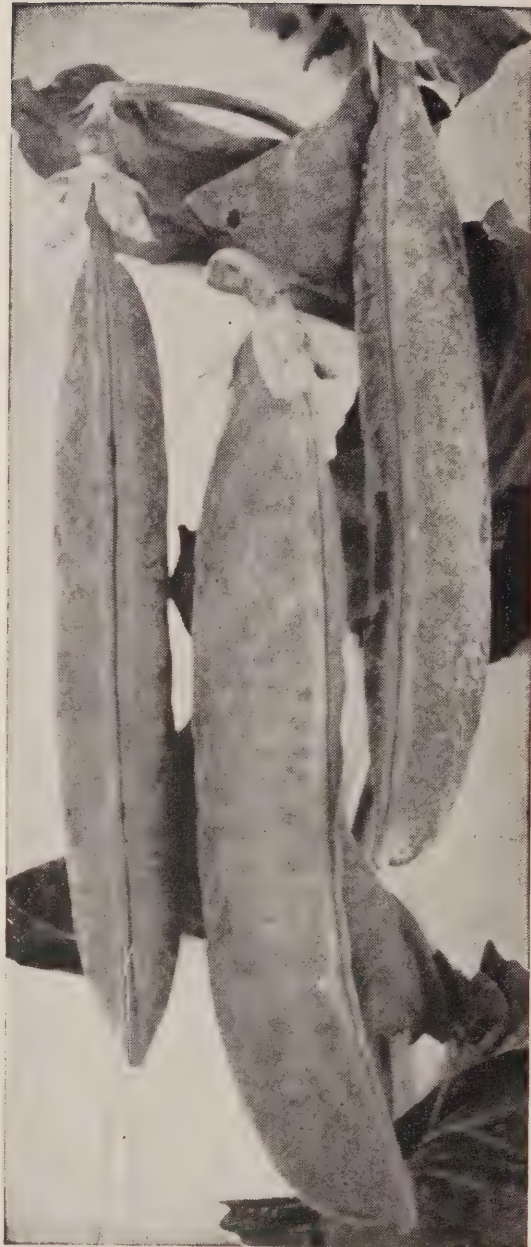
NOTT'S EXCELSIOR. 60 days. Vine 22 inches, medium, heavy. Pod 2¾ inches, light, blunt. Seed medium size, wrinkled.

PRIDE. 65 days. Vine 24 inches, medium, dark. Pod 3¾ inches, blunt, straight, light green. Seed medium sized, wrinkled. Wilt resistant.

SUPREME WILT RESISTANT. 74 days. Vine 24 inches, coarse, dark. Pod 4½-5 inches, dark, pointed. Seed very large, wrinkled. Wilt resistant.

TELEPHONE. Medium-late, wrinkled, productive variety growing 4 feet high with long, slightly curved pods. Peas of large size and best quality. Season 72 days.

THOMAS LAXTON. An early, large-podded pea which is very hardy and a strong grower, producing pods in abundance. The habit and growth of vine resemble Gradus, although the color is darker and pods more blunt. 3½ inch pods well filled with large, very sweet peas. Matures as early as many of the smooth extra-early peas and may be planted at same time. Season 60 days. Height 3 feet.



GIANT PODDED HAMPER

EDIBLE POD PEAS

The pods of this particular class are as easily cooked as snap beans and have all the sweetness and flavor of fresh green peas. Until the pods are partly filled out they are prepared in the same way as snap beans, and after the seeds are developed they are very good as shelled peas. Their excellent qualities are not generally known but wherever tried they become popular on account of their high quality and two-fold usefulness. We suggest that you become acquainted with one of the excellent varieties listed below.

¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$11.25.

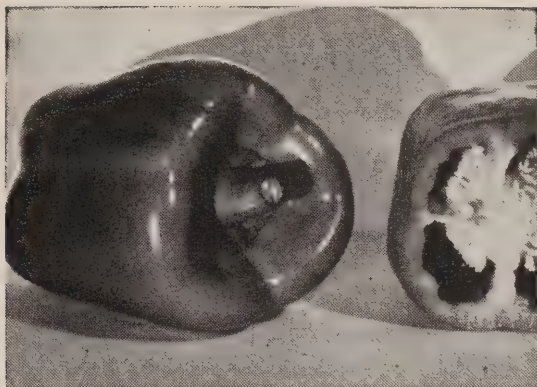
DWARF GRAY SUGAR PEAS. (Purple blossom). Pods 2¾ inches on dark green wilt resistant vines. Sweet, tender and early. Height 2 feet. Season 62 days.

DWARF WHITE BLOSSOM. Very sweet. 2¾ inch light green pods. Seeds white. Grows about 20 inches. Season 62 days.

MAMMOTH LUSCIOUS SUGAR PEAS. (Purple blossom). Height 3 feet. Season

MAMMOTH MELTING SUGAR PEAS. (White blossom). A fine new variety that produces an abundance of large, broad 3½-inch pods. Height 4 feet. Season 75 days.

PEPPERS



CALIFORNIA WONDER

The culture is practically the same as that for egg plant and the soil and temperature requirements are about the same. A moderate dressing of guano, poultry manure or complete commercial fertilizer, hoed into the soil after the plants are 6 to 8 inches tall will be very beneficial. If fruits are kept picked, pepper plants will continue to bear all along as the weather is favorable.

SWEET

CALIFORNIA WONDER. This is unquestionably the leader of the sweet peppers. Vigorous growing plants bear a heavy yield of handsome blocky fruits which reach a size of 5 inches in length and 4 inches across. The thickness of flesh alone, which is often $\frac{3}{8}$ of an inch, places it above all other peppers. There is not the least trace of pungency in the flesh, and it is crisp and juicy. In the home garden these are always an object of admiration, and they are equally pleasing when served on the table. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 80c; $\frac{1}{4}$ lb., \$2.25; lb., \$7.50.

OSHKOSH LARGE YELLOW PEPPER. Bright yellow when ripe, green when young. Peppers are $4\frac{1}{2}$ inches long and $3\frac{1}{2}$ inches in diameter, tapering to a blunt point. Sweet. 70 days. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 80c; $\frac{1}{4}$ lb., \$2.50; lb., \$8.50.

BURPEE'S FORDHOOK. 66 days. Fruits are blocky, just the right size and shape for stuffing; 3 to $3\frac{1}{2}$ inches in diameter and $3\frac{1}{2}$ to $3\frac{3}{4}$ inches deep, nearly round in cross section, with 3 or 4 lobes, glossy dark green skin turning bright red when ripe. The flesh is tender, crisp and always sweet. An excellent, extremely productive pepper for early market and home gardens. We highly recommend Fordhook. Pkt., 25c; $\frac{1}{2}$ oz., 85c; oz., \$1.50.

MERRIMACK WONDER—Earliest. 60 days. Smooth, blocky fruits of attractive appearance with moderately thick, sweet, mild flesh; skin is green turning to rich red. Recommended anywhere and especially for regions of short growing season. Pkt., 15c; $\frac{1}{2}$ oz., 75c; oz., \$1.40.

PUMPKINS

Pumpkins are less sensitive than melons or cucumbers to unfavorable conditions of soil and weather. Their cultural requirements are however, much the same. They are raised between hills of corn or in open field, but more properly belong to the farm than the garden as they occupy too much room for the ordinary yard. Wherever room is available a few hills of pumpkins should be planted as they are peculiar to American cookery and constitute one of our most nutritious and pleasing dishes.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.50.

JAPANESE. Similar to the Cushaw, but the skin is a deep green, with dark stripes, turning to a rich golden yellow. Fruits mature early. The large neck is solid and meaty. Flesh deep yellow.

BIG TOM (IMPROVED LARGE FIELD). Vines of strong, vigorous growth and wonderfully prolific. Fruits average 15 to 20 inches in diameter, round or slightly oval in form; reddish orange skin, slightly ribbed; rich orange-yellow flesh.

LARGE CHEESE. Our pedigreed strain, exceptionally early and uniform is particularly valuable to market gardeners and canners. Fruits very flat, weigh 10 pounds, slightly ribbed, cream colored, flesh very thick, orange-yellow and of fine quality. Length 6 to 8 inches, diameter 12 inches.

WHITE CUSHAW (JONATHAN). A popular crookneck with a hard, creamy white shell. Fruits 2 feet long, with long, solid, meaty neck. Thick flesh of fine quality.

YELLOW CUSHAW. A crookneck variety of rich golden color and fine flavor. One of the best varieties for home use.

STRIPED CUSHAW. Skin is striped with creamy white bands mottled green. Rich, yellow meat, tender, and of fine flavor. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

GENUINE MAMMOTH JUMBO (KING OF THE MAMMOTHS). Fruits grow 2 feet or more in diameter, and from 100 to 200 pounds in weight. Salmon-orange skin; very thick, bright yellow flesh, which is fine grained, tender, and of excellent quality for pies.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$1.85.

SMALL SUGAR. Fruits average about 10 inches in diameter, of excellent keeping qualities, flattened or slightly ribbed. Skin deep orange-yellow; flesh very sweet.



SMALL SUGAR

RADISHES

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds an acre.

The ground for growing radishes should be finely prepared and as free as possible of small stones and lumps. Plant seed about $\frac{1}{2}$ inch deep in rows 12 to 18 inches apart and when up about an inch thin to 1 or 2 inches apart. Radishes are at their best when the growth is quick and steady. A moderate temperature and constant moisture are favorable for best results. Most varieties become pithy soon after reaching full size. In order to maintain a continued supply, successive plantings should be made.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.50; 10 lbs., \$10.00.

SPARKLER. Small round roots with bright scarlet top, a clear white base, and small, slender tap-root. Flesh juicy, pure white, of agreeably snappy flavor.

RAPID RED. Small perfectly round, with thin, bright red skin; flesh pure white, crisp. Ready for market in 20 to 25 days.

CAVALIER. 25 days. A highly colored and very attractive variety for all purposes, and especially for shipping. Tops small; roots oblong-globe, slightly longer than broad, very firm, and of bright, almost true scarlet color. Especially adapted for growing on muck land.


CRIMSON GIANT GLOBE. Suitable both for forcing and planting outdoors. In shape it is round to oval and very attractive. The flesh is mild and tender. Grows to a larger radish than in its class yet retains its crispness and solidity.

WHITE ICICLE. The finest of all radishes and quite distinct. Roots of good size, shaped like an icicle, straight, free from any side roots. Fresh, crisp and tender, even when fully developed. For either spring or fall sowing.

LONG WHITE VIENNA (LADY FINGER). Grows to good size without becoming pithy or tough. Flesh pure white, and juicy. Use rich, moist soil which has been prepared deeply.

WHITE STRASBURG. Roots 4 to 5 inches long and 2 inches in diameter; flesh white, mild and crisp.

CHARTIERS (SHEPHERD). Attractive roots of bright crimson, tipped with white; flesh white, crisp, and of fine flavor. Easily grown and very delicious, with agreeably snappy flavor.

 **WHITE PEARL or PEARL FORCING.** A beautiful pearly white, half stamp-rooted radish that is very firm and solid and remains in good condition for two weeks before becoming woody or showing any signs of going to seed.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.25; lb., \$1.75; 5 lbs., \$7.50; 10 lbs., \$12.50.

CALIFORNIA MAMMOTH WHITE RADISH. This is an exceptionally fine winter variety. Growing about 8 inches long and is about $2\frac{1}{4}$ inches thick and cylindrical.



CRIMSON GIANT GLOBE

WINTER RADISHES

One ounce of seed will sow 100 feet of drill.

These require cool weather at the finish of their growing season, though they may be started during hot weather. Make your first planting the middle of June, second middle of July, third middle of August. Sow thinly in rows not less than 15 inches apart; thin out to stand 6 inches apart. Easily stored for winter use.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c., 1 lb., \$1.25; 5 lbs., \$5.50; 10 lbs., \$10.00.

CHINESE ROSE (SCARLET CHINA). Roots medium size, 4 to 5 inches long; skin deep rose; flesh white, firm, compact, free from any hard fiber or strings.

LONG BLACK SPANISH. Roots 7 to 10 inches long, 2 to 3 inches thick; skin black, flesh pure white, firm, juicy, and has a good snappy flavor. Will keep in perfect condition all winter long if stored in a frost-proof cellar.

WHITE CHINESE (CELESTIAL). Roots cylindric, 12 to 15 inches long, with a diameter of 5 inches; flesh crisp, juicy, tender, agreeably mild in flavor.

RHUBARB

Good plants are easily grown in any good garden soil. Sow seed thinly in shallow drills a foot apart and thin to 4 to 5 inches. Keep soil loose and free from weeds. The plants vary considerably. Pick out the strongest and best. In fall or spring following, transplant to the permanent bed, 4 feet apart each way, in deep, warm, rich soil.

VICTORIA. The most popular variety. Comes quite true from seed.

Pkt., 10c; oz., 35c.

RUTABAGA

IMPROVED PURPLE-TOP. This special strain of Rutabaga is remarkable for uniform shape and fine quality, and is also a splendid keeper. The roots grow to large size, skin smooth, and flesh beautiful yellow and fine grained. The flavor is good, being very sweet and tender.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

EARLY NECKLESS RUTABAGA. A new variety of Improved Purple Top Yellow Rutabaga, having no neck at all, and in our opinion, the finest table quality of Rutabaga on the market. It has the added feature that it grows in two to three weeks less time than most standard stocks of rutabaga, and it can therefore be planted two to three weeks later in the fall than the usual type.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

SALSIFY

(Vegetable Oyster Plant)

Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy and may remain out all winter, but should be dug early in the spring as they deteriorate rapidly after growth commences. Frost does not injure the roots, but before the ground freezes a quantity for winter use may be stored in a pit or in a good cellar.

MAMMOTH SANDWICH ISLAND. Makes fine large roots of delicious flavor. The best variety.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.35; lb. \$5.00.

SPINACH

Sow 1 ounce of seed to 100 feet of drill.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North seed can be planted as soon as the ground can be prepared. In the South spinach will winter over with little or no protection. The soil for spinach should be as rich as practicable. The size and quality of the leaves is much increased by the richness of the soil.

BLOOMSDALE. Blight resistant. Savoy-leaved, very early, and one of the best for fall or early spring planting. Leaves dark green, medium size, and crumpled. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 70c; 5 lbs., \$3.00; 10 lbs., \$5.50.

BLOOMSDALE LONG STANDING. A variety that has an extremely dark, green, very crumpled leaf. It stands the heat of the summer better than the regular Bloomsdale, and will stand fifteen days longer before bolting to seed. Fine for late spring and summer as well as early spring (48 days). Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 35c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.00.

NEW ZEALAND. Entirely distinct variety. Produces a large quantity of leaves. When cut, branches out and makes new growth, producing until frost. For summer use, sow early in spring. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

SWISS CHARD or SPINACH BEET

LUCULLUS. The stalks are as thick and broad as those of rhubarb, being $1\frac{1}{2}$ inches broad, heavily ribbed, and from 10 to 12 inches long below the leaf. The extra-large leaves of thick texture are heavily crumpled or "savoyed" and of fine flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., 95c; lb., \$1.75.

SQUASH

Bush sorts: Sow 1 ounce to 50 hills; 6 pounds per acre.

Running sorts: Sow 1 ounce to 16 hills; 4 pounds per acre.

All Squash: Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00.

SUMMER SQUASH

GOLDEN SUMMER CROOKNECK. (53 days). The most popular summer, curved neck squash. Fruits are small, distinctly crooknecked, with bright yellow skin and salmon-orange flesh of delicious flavor and fine texture. Suitable for freezing. At their best flavor when about 4 in. long, at which size they may be prepared for boiling without being peeled. Larger fruits if left to grow may be used for boiling or fried like eggplant. Full sized fruits average 10 in. long, $2\frac{1}{2}$ in. thick, the skin becoming deep golden orange and much warted. Plants are of bush growth; productive.

EARLY WHITE BUSH. (White Patty Pan). (54 days). Squashes are creamy white and scalloped around the edges; milk-white, deliciously flavored flesh. Widely used for stewing or boiling.

COCOZELLE BUSH. (60 days). Also called Italian Vegetable Marrow. Oblong, dark green fruits, 14 in. and more in length, 4 to 5 in. thick; best used when less than 6 in. long. Delicate flavor.

STRAIGHTNECK SUMMER. (58 days). The same squash as the Golden Crookneck, but with a straight neck. Golden orange, warted fruits, 18 in. long. Finest quality salmon-yellow flesh. Suitable for freezing. Can be prepared with little loss.

FORDHOOK ZUCCHINI. (60 days). All-American Winner. At best table stage, fruits are 12 in. long, 2 in. across, cylindrical, smooth, deep blackish green, straight to very slightly curved. If used at this size, the skin need not be removed. Flesh is creamy white and extremely tender; suitable for freezing. If left to grow, fruits may attain a length of 2 ft.

WINTER SQUASH

TRUE HUBBARD. (115 days). Widely used. Fairly large fruits with dark bronze-green warted skin, the toughness of which makes it a favorite for shipping and winter use; if properly stored, will keep until spring. 12 in. long and 10 in. thick; weigh about 12 lbs. Attractive deep orange-yellow flesh which is fine grained, sweet and dry. The standard winter squash for all purposes, whether for freezing, home, market or shipping. We offer our own improved strain; it represents the perfection of winter squashes for pies, baking, boiling, etc. Unexcelled quality.

RED OR GOLDEN HUBBARD. (110 days). Earlier than the green warted Hubbards. Deep orange-red skin with cream-colored stripes and bright orange-yellow flesh, fine grained, sweet and of luscious flavor. Good winter keeper. Valuable for freezing and canning. Weight, 9 lbs. Attractive.

SUMMER and WINTER SQUASH

Fruits may be used before the skin hardens, but the quality will be better if they are allowed to form a hard shell; splendid for winter storage. Fine-grained, sweet, tender flesh.

ROYAL ACORN. (82 days). A family-sized Table Queen, with acorn-shaped fruits, $7\frac{1}{2}$ in. long, 6 in. across, dull dark green in color, turning dull orange after a period of storage. Flesh is up to $1\frac{1}{2}$ in. thick, dry and sweet, with baking quality as good as the smaller Table Queen. The keeping quality is excellent. Fruits may be used for boiling when immature, but for the best quality they should be allowed to develop until the shell is hard. Pkt., 15c.

ACORN OR TABLE QUEEN. (85 days). Also known as Des Moines. Acorn-shaped, 5 in. long and 4 in. thick; deeply ribbed, dark green skin and thick orange flesh that cooks dry and sweet. The baked halves make adequate individual servings. Mature fruits are good keepers and may be stored for use during the winter. Smaller sized than Royal Acorn. Pkt., 20c.

TOMATOES

One ounce of seed will produce about 2,000 plants.

The seed is usually planted indoors about May 1st, using shallow boxes or flats and plant in rows about 2 inches apart. Any small container or pot will do at first for a small quantity. As soon as the seedlings are about an inch high they are "pricked out" into a larger box, spacing them about 4 inches apart; rich, loose soil is very helpful. When the weather has moderated they should be gradually hardened off or acclimated to the outside temperature. A warm, sheltered spot where they can be protected at night or in case of frost is highly desirable. About 6 weeks after seed is sown the plants are ready for setting in their permanent location. By making allowance for differences in climatic conditions, usually based on the probable date of the last killing frost in spring, every gardener can decide the approximate time for planting in his own neighborhood.

BEEFSTEAK (CRIMSON RED PONDEROSA). A wilt-resistant, large variety, for home and market garden use. Plant open in habit of growth, heavy, rather light green, vigorous. Fruits large, flat, scarlet, rather smooth. 90 days. Pkt., 10c; $\frac{1}{2}$ oz., 75c; oz., \$1.25; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.



HYBRID BURPEE'S BIG BOY

CHALK'S EARLY JEWEL. A second early sort for home gardeners and truckers, also good for canning in the North. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened globe-shaped. Very similar to Bonny Best. 74 days.

Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.00; $\frac{1}{2}$ lb., \$3.25; lb., \$6.50.

JUBILEE NEW ORANGE-YELLOW. 72 days. A beautiful tomato averaging 6 ounces, free from cracking, smooth and globe shaped with orange flesh and yellow skin.

Pkt., 10c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75; $\frac{1}{4}$ lb., \$4.00.

MASTER MARGLOBE. This Master strain, after 26 years, still maintains its original characteristics. It has earned millions of dollars for the tomato industry. 80 days to maturity after planting. Stokes' Master Marglobe is a $5\frac{1}{2}$ ounce shipping tomato, perfectly formed with smooth shoulders and a very solid interior. Its high resistance to fusarium wilt and nail head rust virtually eliminated those diseases.

Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 45c; 1 oz., 75c; 2 oz., \$1.25; $\frac{1}{4}$ lb., \$1.75; $\frac{1}{2}$ lb., \$3.00; 1 lb., \$6.00.

HYBRID STOKESCROSS NO. 1 (70 days to maturity after transplanting.) An improved F₂ hybrid introduced last year for the first time. An early and continuous bearer of full-size ($5\frac{1}{2}$ oz.), full-flavored fruit suitable for market or for processing. This new F₂ cross is the product of our winter proving ground in the Province of Santa Clara, Cuba. It is a tomato with great possibilities. It combines earliness, size, and productiveness. Stokescross No. 2 is deep red in color, free from interior core, and its rich flavor recommends it to all market gardeners.

Pkt., 25c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.25; oz., \$4.25.

HYBRID STOKESCROSS NO. 4. (75 days to maturity after transplanting.) One of the greatest tomatoes ever introduced. Its hybrid vigor enables the plant to develop a heavy crop of 6 to 7 ounce fruit. A tomato which will bring substantial profit to the grower. This brilliant F₂ hybrid is already looked upon as a variety of enormous importance by the grower and shipper group, and by those who grow for

canneries. Its surprising vigor is at once seen in its ability to produce large, solid, highly flavored fruit in enormous quantities. Highly acceptable to the "Green Wrap" trade. It will mature fully 10 days in advance of Rutgers and will surpass Rutgers in production by a wide margin. Our own 1951 production figures averaged 15.4 tons per acre as compared with our Rutgers production of 11.4 tons per acre. In dollar return it brought \$518 per acre, a high figure in any growing area. It is almost crack-free, a factor probably due to its deeper root system. Stokescross No. 4 will develop full color right to the stem. Its interior structure will allow long distance shipping. It is noted for its delicate sweet flavor.

Pkt., 25c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.25; oz., \$4.25.

VALIANT. (68 days to maturity after transplanting.) The most important tomato for the extra early market. It is large, solid, smooth, and a heavy producer. Valiant develops a Marglobe type fruit within 3 days of the older Earliana. It has an open vine, which does not always protect the fruit from the sun, but in its special field, the very early market, it is highly prized. Valiant will be most successful on sandy loam. Generous applications of fertilizer are recommended.

Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 80c; $\frac{1}{4}$ lb., \$2.25; lb., \$6.00.

QUEENS. (70 days to maturity after transplanting.) A large early market tomato introduced in 1951 by Professor Lyman G. Schermerhorn of Rutgers University. Queens produces large clusters of 6 ounce fruit. Foliage is light, blossoms set profusely and size is maintained well into the season. Before its introduction Queens was subjected to 10 years testing and wide-spread trials.

Pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.40.

OXHEART. Plant is open, spreading, only moderately productive. Fruits large, heart-shaped, somewhat rough, pink; very solid, meaty, and of mild flavor. 90 days.

Pkt., 10c; $\frac{1}{2}$ oz., 75c; oz., \$1.35; $\frac{1}{4}$ lb., \$4.00; lb., \$15.00.

RUTGERS CERTIFIED. A recent introduction by the New Jersey Experiment Station which has deservedly achieved general popularity. Primarily intended for canning, has also proven a good green-wrap shipper and all-purpose variety of wide adaptation. Bred from Marglobe and J.T.D., it combines the best qualities of both, including Marglobe's resistance to disease and J.T.D.'s habit of ripening from the interior outwards. Plant large with thick stems and vigorous foliage. Fruits globular; bright red, smooth with thick walls and small seed cells. 86 days.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 45c; $\frac{1}{4}$ lb., \$1.35; lb., \$5.00.

BURPEE'S BIG BOY HYBRID. (78 days.) Big Boy is the largest of our true, first generation (F₁) Hybrid tomatoes; many weigh 1 lb. and more, some 2 lbs. and over. Unlike other large fruited varieties, Big Boy tomatoes are perfectly smooth, deep globe to deep oblate in shape and very firm; scarlet-red color, thick walls, with bright red meaty flesh of fine flavor and excellent quality. At its peak of performance in midseason, although large fruits are produced late in the season when many standard varieties decline in yield and size. Ideal hybrid for the home and market grower, especially roadside sales. Plants are very large, extremely vigorous, semi-upright to spreading; moderately dense dark green foliage protects the fruits from sun scald.

Pkt., 50c; 2 pkts., 95c; 3 pkts., \$1.35; 5 pkts., \$2.15; $\frac{1}{16}$ oz., \$6.00; $\frac{1}{8}$ oz., \$10.00.



PURPLE-TOP WHITE GLOBE

TURNIP

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.75.

ORANGE JELLY or GOLDEN BALL. This is the best and most deliciously flavored of the yellow-fleshed turnips. It is small topped, of rapid growth, and keeps exceptionally well. The roots are of medium size, very smooth, and deep yellow skinned. Flesh is firm, crisp and of excellent quality. At a diameter of 3 inches the roots are prime for table use.

SEVEN TOP TURNIP. A turnip that produces an abundance of spreading foliage, and is widely used in the South for the production of turnip greens, and also as stock feed. Though it produces a moderate sized bulb, it is more particularly used for its abundant foliage.

RED or PURPLE-TOP WHITE GLOBE. Grows very quickly to large size, measuring 6 inches and more in diameter, and of perfect globe form, the upper portion rich purplish red, and the lower half clear creamy white. Flesh white, firm and crisp, of mild flavor.

LARGE YELLOW (AMBER GLOBE). An excellent turnip with smooth, oval roots, thick and broad at the shoulder. Skin smooth, pale amber; flesh, rich creamy yellow of excellent flavor.

WATERMELON

Sow 1 ounce of seed to 30 hills; 4 to 5 pounds per acre.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

If the hills are liberally manured and cultivation is careful and thorough any home gardener can have these delicious fruits fresh from his own patch.

Plant in hills as directed for muskmelon and treat the same in all respects except that the hills should be about 8 feet apart.

CUT-RED WATSON. There has never been, so far, a watermelon introduced that became so popular as the Watson. It will be planted commercially for a long time yet, provided the seed planted are of known quality. Some complaint has been in evidence about the Watson variety cutting with hard centers and almost worthless for market, which caused me to work on this melon with the view of breeding up a type that eliminates the strain that produces hard white centers. I have been very successful in this work and have perfected a strain of Watson that cuts red and sweet and grows big, glossy green melons, frequently growing 50 to 60 pounds in weight; produces melons 18 to 24 inches long by 10 to 12 inches in diameter; seeds light brown smeared with darker brown; time for ripening, 95 days.

STONE MOUNTAIN. The originator of this outstanding variety combined extra-large size with earliness. In addition it combines nearly round, symmetrical shape with a very pleasing green color and produces a melon of unexcelled succulence and sweetness. Fruits weighing 60 to 80 pounds are produced in the South, and the 95 days re-

NO. 13 SEEDLESS WATERMELON.

Plain green rind. Average weight 12 lbs.. The mature melon has only the slightest trace of a seed coat, which is eaten just like cucumber. The melon is of attractive size filling the demand for Ice Box Melons.

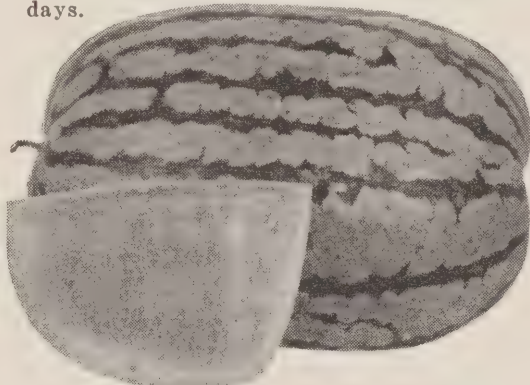
Pkt. only, 50c. (Limited to 2 pkt. per customer—stock shortage.)

quired for maturity make it easily possible to produce correspondingly large fruits in the North.

HALBERT HONEY. Very large, long fruits, having blunt ends and often weighing 50 pounds. The dark green rind is very thin, while the flesh is a rich crimson. Very prolific.

GEORGIA RATTLESNAKE (GYPSY). This old southern favorite is one of the largest and best adapted for the home garden. It has the most conspicuous striping of the oblong types. The rind is moderately thick and strong and the flesh is juicy and sweet. A very desirable white seeded variety but useful only where summers are short.

KLECKLEY'S SWEET (MONTE CRISTO). Similar to Wondermelon. An excellent variety for home gardens and local markets. It will not stand shipping long distances. Fruits large, cylindrical, dark bluish green, with thin, tender rind. Flesh bright red, tender and extremely sweet; seed creamy white with traces of brown. 30 lbs.; 85 days.



WATERMELON, DIXIE QUEEN

NEW HAMPSHIRE MIDGET WATERMELON. A small watermelon, weighs from 2 to 4 lbs. About the size of a cantaloupe. Has a gray-green rind with darker green veinings, similar to Hawksbury. Its black seeds are not so abundant as in White Mountain. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$2.50.

RED FLESH ICE BOX WATERMELON. 80 to 85 days. Seeds are small, dark colored, and comparatively few. The fruits produced are about the size of the regular standard Honey Dew, weighing about 5 lbs. or thereabouts. They are almost perfectly round, the outside being a light green with a striping of darker green.

DIXIE QUEEN. 85 days. Shipped as Cuban Queen. Large, nearly round, with small white seed; often weighs as much as 60 lbs. Skin is striped dark green and greenish ivory; flesh is bright red, solid and of fine flavor. Rind thin, but strong. Uniform in shape, size and color. Although a large melon, the quality is of the best. Equally as good for the home garden, market or shipping. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$2.50.

PLEASE NOTE

Due to conditions beyond our control, the Flower Seed Section in our 1956 Seed Catalog is being omitted. The House of Abel will still continue to handle, as we have in the past, the finest quality of flower seeds obtainable. We regret the omission of this section and trust that this will not be necessary in the future.

MISCELLANEOUS GARDEN ITEMS

ABEL'S COUNTRY LIFE WILD BIRD FOOD AND FEEDERS

ABEL'S WILD BIRD FOOD. Lb., 20c; 5 lbs., 75c; 10 lbs., \$1.45; 25 lbs., \$3.25; 50 lbs., \$6.50; 100 lbs., \$12.50.

FAMOUS BISHOP WILD BIRD CAKES. 45c each.

No. 104. Seed Feeder. Made of rustic, prevents waste and gives a complete supply of food. Roof is hinged for filling hopper. Height, 11", \$3.70.

No. 101. Suet Feeder. Made of pine. A bark covered roof protects food from weather. Height, 10". \$1.70.

No. 116. Seed Feeder. Made of cypress or pine and roofing material. Hinged roof facilitates filling. Size, 8½". \$1.50.

EROSIONET. An expensive but strong, open-mesh fabric which is used in making new lawns where it is desirable to provide for the protection of young grass, or on steep banks where it will hold the soil and prevent washing and loss of turf by heavy rainfall. 45 inches wide. 20c per yard; 19c in 25-yd. strips; 18c in 50-yd. strips; 17c in 100-yd. strips.

TREE TANGLEFOOT. Stops all climbing insects. This sticky compound is easy to apply with a wooden paddle. 6 oz., 85c; lb., \$1.50; 5 lbs., \$6.95.

CORONA TREE WOUND PAINT. Antiseptic tree wound paint will stop tree bleeding and prevent infection of pruned or damaged portion of tree. Adherent and lasting. Qt., \$1.50; gal., \$3.95; 5 gal., \$12.95.

TROWBRIDGES GRAFTING WAX. ¼ lb., 35c; ½ lb., 55c; lb., 85c.

MAGIC STUMP REMOVER. Is simple and safe; non-explosive. It will not harm the surrounding vegetation. 8 oz., \$1.50.

TREE BANDS. Chase Duratex Waterproof Tree Wrap. 33 1/3% stretch. 4" wide, 52 yards to roll. Per Roll 90c; 10 rolls or more 80c each.

TREKOTE. Pruning and Grafting Compound. ½ pt. can, 45c; pt. can, 60c; qt. can, 90c; gal., \$2.25.

National Eezy Wear Garden Gloves

All-Leather—DIRT-PROOF
SOFT AS KID—Extra Pliable

Sizes for women: "Small," "Medium," "Large". For men: "Medium"—"Large."

Price per pair:

Size 6 and 7\$1.65
Size 8, 9 and 10\$1.75

BACK AGAIN. Genuine Kreme Skin Gloves. Sizes 7 and 8, \$2.00 per pair.

WOLVERINE GENUINE PIGSKIN WORK GLOVES. Sizes 8, 9, 10 and 11. \$1.75 pair.

WOLVERINE HORSEHIDE GLOVES. The work gloves of full grain horsehide. Sizes 8, 9, 10 and 11, \$2.50 pair.

GREEN THUMB GLOVES for gardening, dusting, painting, driving. Sizes: Small, Medium, Large, 89c pair.

SOFT TOUCH HOUSEHOLD AND GARDEN GLAMOUR GLOVES. Fit hand sizes 5½ through 8. Colors: Azure Blue, Mint Green, Maize, Yellow. 85c pair.

HOTKAPS protect plants against birds, insects, rain. They force growth and bring maturity 2 to 3 weeks sooner. Yield is increased 10 to 25 per cent. Each HOTKAP is a miniature hothouse for the plant underneath.

25 Package Complete.....	.95 each
100 Package Complete.....	3.15 each
250 Package Complete.....	5.90 each
Steel Setter	1.95 each
1,000 to Carton @	\$18.35 per M
5,000 @	18.20 per M
10,000 @	18.05 per M
25,000 @	17.90 per M

'TWIST-EMS'

For Nurseries, Estates and Amateur Gardeners

"Twist-ems" are dark green strong tapes with wire reinforcing that makes perfect plant ties. Place "Twist-ems" around stem and support. Twist ends between thumb and finger. In a "flash" the stem is securely tied.

4"—25c per 200. 8"—25c per 100.

16"—50c per 100.

250 ft. roll—\$1.00 each

METAL SEED GROWING BOX

Size 12" x 14" x 2¼" deep. Can't lose drain screw provided for excess water. Price \$2.50 each.

STANDARD PLANT TUBS. A splendid plant tub which will give excellent service for a remarkably long time. Well constructed, sturdy, and of first quality. The staves are supported by strong hoops, and steel strapping at the base gives added support.

		Inside		Inside	Each
		Top Diam.	Bot. Diam.	Depth	
No. 2	7 in.	5 in.	7 in.	@	\$2.40
No. 3	8 in.	6 in.	8 in.	@	2.60
No. 4	9 in.	7 in.	9 in.	@	2.90
No. 5	10 in.	7 ½ in.	9 in.	@	3.20
No. 7	12 in.	9 in.	11 in.	@	4.00
No. 9	14 in.	11 in.	13 in.	@	5.25
No. 11	16 in.	12 ½ in.	15 in.	@	6.75
No. 13	18 in.	14 in.	17 in.	@	9.00

BURLAP. 40" width, 10 oz. Yd., 37c; 25 yds., per yd. 36c; 50 yds., per yd. 33c; 100 yds., per yd. 30c.

PLANT LABELS		100	1,000
4 x 5/8 in.	.....	\$ .50	\$ 3.50
5 x 5/8 in.	.....	.60	4.00
6 x 5/8 in.	.....	.70	4.75
8 x 7/8 in.	.....	1.25	10.00
10 x 7/8 in.	.....	1.40	12.00

TREE LABELS, 3½ in., 60c per 100; \$4.35 per 1,000.

SHIP IN BIRD'S RED POTS

PRICES PER THOUSAND
(Sold in units of 1000 only)

Size	Price per M	Weight per Case	Quantity per Case
2 In.	\$8.60	10	1000
2¼ In.	8.60	12	1000
2½ In.	8.70	16	1000
3 In.	9.15	25	1000
3½ In.	12.20	35	1000
4 In.	14.70	21	500
5 In.	18.15	33	500
6 In.	22.25	48	500

BIRD'S VITA-BANDS PRICES—QUANTITIES—WEIGHTS

Price per M	Sizes	1½ x 1½ x 2½	1¾ x 1¾ x 2½	2 x 2 x 2½	2 x 2 x 3	2½ x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
		VB-10	VB-D	VB-H					
		3.70	4.00	4.55	5.05	6.00	6.90	9.00	11.25
		3.85	4.15	4.65	5.35	6.05	7.05	9.25	11.60
			5.45	5.80	6.90	7.65	8.50	10.45	12.90
Vita-Band 10	Quantity per Case	2M	2M	2M	2M	2M	1M	500	500
	Weight per Case	33 Lbs	38 Lbs	42 Lbs	51 Lbs	63 Lbs	37 Lbs	25 Lbs	33 Lbs
Vita-Band D	Quantity per Case	2M	2M	2M	2M	2M	1M	1M	1M
	Weight per Case	21 Lbs	24 Lbs	27 Lbs	32 Lbs	41 Lbs	24 Lbs	32 Lbs	42 Lbs
Vita-Band H	Quantity per Case		1M	1M	1M	500	500	500	500
	Weight per Case		26 Lbs	30 Lbs	36 Lbs	22 Lbs	26 Lbs	35 Lbs	46 Lbs

Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.

PEST EXTERMINATORS

ANTROL. The national ant control. Kills ants in their nests. Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Ready Filled Sets containing four filled feeders 10c each, 4 for 39c.

ANT TRAP (Tat). Destroys sweet and grease eating Ants.
25c Each.

ANT BAIT (Tat). Destroys Garden Ants.
40c Tube.

CYANOGAS ANT KILLER. Is not a bait! It is different. A small amount injected into the ant nest destroys the entire colony immediately. Spectacularly effective. This 4-oz. tin contains enough Cyanogas to kill a million ants.
4-oz. tin Cyanogas Ant Killer, 50c each.

CYANOGAS A-DUST. For killing the following pests. Rats (in burrows; along ditch banks; in city dumps; under pavements and tight floors; in lumber piles; on poultry farms; in grain elevators and stockyards). Mice (field mice and pine mice). Moles, Woodchucks (Groundhogs). Diseased bees, Wasps, Yellow Jackets and Hornets. Soil insects in lawns and golf greens.
1 lb., \$1.25; 5 lbs., \$4.25.

CROW-FEZ. Crow repellent. Birds and animals will not bother seed corn or other grain treated with Crow-Fez. Protects corn and seeds from rot. Does not hinder germination. Not poisonous. One-half pint treats 1 bu., pint treats 2 bushels, quart treats 4 bushels.
½ pt., 60c; pt., \$1.00; qt., \$1.25.

MOUSE SEED. Safer and more convenient than paste or traps. Ready to use. No bait required.
Pkg., 25c.

RAT-NOTS. Safe way to exterminate rats. Prepared bait, containing Squill. Can be used without fear of harming humans, dogs, livestock, etc.
Trial size package of 9 Nots, 35c; estate size, 50 Nots, \$1.00.

NO-NIB'L. The rabbit repellent that really works. Easy to use; will not harm plants, and is non-injurious to dogs, cats, birds.
6 oz. can, \$1.00.

MOLOGEN. Eliminates moles from the lawn within 2 or 3 days. Perfectly harmless to humans and to pets.
½ lb., 50c; 1½ lbs., \$1.25.

MOLE NOTS. Life savers for lawns, bulb and seed beds.
Trial size, 8 Nots, 35c; estate size, 50 Nots, \$1.00.

DOG SKAT. Keeps dogs, cats and other animals away from trees, evergreens, roses, shrubbery, etc. Tube releases vapor offensive to animals, but not noticeable to humans. One large tube lasts a year.
Large tube, 50c.

CHAPERONE POWDER DOG REPELLENT

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs.
1-oz. tin, 49c; large size, \$1.00.

CHAPERONE LIQUID DOG REPELLENT
For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents.
4-oz. bottle, \$1.00; 8-oz. bottle, \$1.49; qt., \$3.98.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous.
Per bottle, 75c.

PESTEX. To discourage rats, mice, birds, squirrels, rabbits, dogs, etc., from the garden. Safe and effective. Can be applied with the ordinary dust gun.
2 lbs., 95c.

KITTY CHAPERONE. Powder repellent for household use, keeps cats away from furniture, curtains, drapes, clothing, etc.
Trial size can, 49c; large size can, \$1.00.

CHASE'S NEW INSECT BOMB for Household Insects. 89c each.

AEROSCT the wonder insecticide bomb. \$3.98 each. When empty exchange for new bomb. \$2.35 each.

ABEL'S FERTILIZERS—SOIL CONDITIONERS AND PLANT FOODS

ACTIVO (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste.
No. 2 size, \$1.00, treats 425 lbs. compost; No. 7 size \$2.95, treats up to 1350 lbs.

AGRICO — FOR LAWNS, TREES AND SHRUBS, 3 lbs. per 100 sq. ft. Agrico is a balanced plant food and supplies, in proper forms for continuous feeding throughout the growing season, all the plant-food elements required. Plant grass seed after thoroughly mixing the Agrico with the soil. Use the best seed mixture you can get; that is, one adapted to your location and soil. Cheap seed mixtures are a common cause of failure. Sow 4 to 5 lbs. per 1000 sq. ft. half lengthwise and half cross-wise. Rake in the seed not more than 1/8 to 3/16 inch deep and roll lightly.

USE AGRICO FOR LAWNS, TREES AND SHRUBS and realize the satisfaction that comes from having a thick velvety lawn—the kind that means so much to the beauty of any home.
5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.55; 100 lbs., \$5.00.

AGRICO for Gardens.
5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.30; 100 lbs., \$4.55.

AGRICO for Broadleaf Evergreens.
5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.20; 50 lbs., \$3.00; 100 lbs., \$5.80.

AGRINITE. New non-burning 100% organic fertilizer. Ideal for lawns, shrubs, gardens. Gives lawn a fine dark green color in very short time, due to high nitrogen content of over 8%.
25 lb. bag, \$1.90; 50 lb. bag, \$3.55; 80 lb. bag, \$5.35.

BONE MEAL—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts. Apply 800 to 1,000 lbs. per acre.
2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.50; 25 lbs., \$2.70; 50 lbs., \$4.00; 100 lbs., \$7.00.

BLOOD (Dried). For indoor culture of flowering plants, like Roses, Carnations, etc., its chief element being nitrogen.
1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$4.00; 50 lbs., \$7.25; 100 lbs., \$13.50.

ABEL'S FERTILIZERS — SOIL CONDITIONERS AND PLANT FOODS

BOVUNG—A rich manure from cows—the ideal fertilizer for New Lawns and for restoring the worn-out grass plot to its original vigor. Through a special process practically all moisture is removed from Bovung soon after it has been taken from the barns. Bovung is absolutely free of all live weed seeds, it can not bring plant diseases to your garden, and while a little goes far, no harm will occur through fertilizing your lawn or garden freely. Bovung broadcasts as readily as grass seed and we suggest three applications upon your lawn throughout the year, in the early spring, again in midsummer, and finally early in the autumn. Bovung, too, is an excellent fertilizer for the flower and vegetable garden, being of an organic nature it brings to the soil just those materials in which the average garden soil is lacking.

5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.60; 50 lbs., \$2.70; 100 lbs., \$4.95.

COTTONSEED MEAL—Apply 800 pounds per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable.

1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.00.

MANURE! MORE MANURE!

You must have manure, and thanks to **ADCO** you can have quantities of it. You can turn every bit of vegetable refuse—cuttings, weeds, leaves, etc., from the garden, straw and cornstalks from the farm, into rich manure by the simple **ADCO** process. Information free.
20 lb. bag sufficient to make one-half ton manure, \$3.00; 100 lbs., \$14.50.



DUTCH MAID (Pulverized Form) — For lawns, flowers, shrubs and vegetables. The use of **DUTCH MAID** will make lawns richer, give earlier flowers, make thrifty shrubs and larger yields of vegetables. **DUTCH MAID** is a specially prepared plant food that contains the essential ingredients—nitrogen, phosphoric acid and potash in the form that will give rapid growth and full development of the above plant life. Guaranteed analysis. Nitrogen 5 per cent, Avai. Phos. Acid 10 per cent, Potash 5 per cent.

5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.50; 100 lbs., \$4.95.

ELECTRA. A perfectly balanced fertilizer which is more than 80 per cent organic. It is becoming more popular with the growers because it can be used for almost any purpose.

25 lbs., \$4.50; 80 lbs., \$9.50.

R. B. GARDEN FERTILIZER 5-10-5

5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.40; 50 lbs., \$2.20; 80 lbs., \$4.00.

IMP FERTILIZER is of the same analysis, approximately of the same composition and texture, and is used in the same way as the imported product most widely used in this country. Provides that all-important impetus or vital force necessary to the healthy development of flowers and plants. Is the improved domestic fertilizer that rivals if not excels the imported article. **IMP** and the leading imported fertilizer have been fully analyzed by one of the leading analytical chemists of the country. Their findings will be sent for your perusal on request. Only asks a fair and unprejudiced trial, knowing full well that it must stand on its own solid worth to merit success. Boldly challenges all fair comparison. Be your own judge as to whether its claims are substantiated.

28 lb. bag, \$4.50; 56 lb. bag, \$6.50.

LIMESTONE (GROUND) 80 lb. bag, 85c.

LIME (HYDRATED OR POWDERED) —

This is a very fine article for distributing on grass. Promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre.

10 lbs., 45c; 50 lbs., 95c; 100 lbs., \$1.80.

MURIATE OF POTASH—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn and other grains. Analysis, equal to 50 per cent actual potash.

1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 80 lbs., \$5.25.

NITRATE OF SODA—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 oz. to 1 gal. of water and do not apply oftener than twice a week.

1 lb., 20c; 5 lbs., 80c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$4.00; 100 lbs., \$7.75.

PHOSPHATE, SUPER-ACID (20 Per Cent)

—Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis.

1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.00; 80 lbs., \$3.00.

ALL-ORGANIC ROSE FOOD (7-8-5). A balanced Rose Ration for All Garden Uses. An organic, no filler, 100% Plant Food of Dried Blood, Fish Scraps, Bone Meal, Potash, Cottonseed Meal and Phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results.

5 lbs., 85c; 10 lbs., \$1.45; 25 lbs., \$3.25; 50 lbs., \$6.20; 100 lbs., \$9.75.

G & O RHODA & AZALEA FOOD.

Same price as Rose Food.

SHEEP MANURE—Apply 1000 lbs. per acre.

One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. Moisture maximum 6 per cent; nitrogen minimum 1.75 per cent; T.P.A. 1 per cent; potash, 3.25 per cent.

10 lbs., \$1.00; 25 lbs., \$1.65; 50 lbs., \$3.00; 2 50-lb. bags, \$5.50.

SULPHATE OF ALUMINUM — Especially adapted for fertilizing Rhododendrons, and other plants requiring an acid soil.

1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

SULPHATE OF AMMONIA—Apply 70 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia.
1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.50; 80 lbs., \$5.00.

TANKAGE—This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood.
5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$7.00.

TOBACCO DUST. Extra fine for dusting. If dusted on while the foliage is moist, it destroys rose-lice, cabbage and turnip fleas, etc. Also used as a fertilizer.
1 lb., 20c; 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.00.

TOBACCO STEMS—For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash.
5 lbs., 25c; 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.75.

VIGORO—A specially prepared plant food for lawns, vegetable and flower gardens, shrubbery, trees, etc.
1 lb., 15c; 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.50; 2 50-lb. bags, \$4.95.

GOLDEN VIGORO—50 lb. bag, \$3.75.

ABEL'S TREE AND SHRUB FOOD. Tree Fertilizer 10-10-10. This food should be applied over the area covered by the overhang. Where the ground is covered with grass, holes may be made with a crowbar and filled with the food. When setting out young trees mix from 1 to 5 pounds to each tree. From 1 to 2 pounds each will suffice for most shrubs and vines. Trees with a spread of about 10 ft. require 5 lbs.
5 lbs., 60c; 10 lbs., \$1.00; 20 lbs., \$1.50; 40 lbs., \$2.50; 80 lbs., \$4.25.

TURFORGANITE. An all-organic fertilizer.
25 lbs., \$1.80; 50 lbs., \$3.25; 80 lbs., \$4.90.

SOIL CONDITIONERS

HYPER-HUMUS—An excellent article to incorporate with poor soil in the garden, green house or in potting plants. When used in garden work, the ground should be covered with one-half to two inches of Humus and spaded in.
5 lbs., 50c; 25 lbs., \$1.69; 50 lbs., \$2.89; 100 lbs., \$5.00.

TERRA-LITE (VERMICULITE) PLANT AID—A growing medium for rooting cuttings, for plant propagating, seed germination, mulch, lightening heavy soil, storing bulbs.
3/4 lb., 45c; 3 lbs., 85c; 12 lbs., \$1.85; 20 lbs., \$2.35.

ABEL'S SPECIAL PEAT MOSS. Granulated Peat Moss should be used liberally about the garden or greenhouses, for potplants, window boxes, growing bulbs, etc. It is also useful for mulching perennial beds, lawns, roses, etc., and mixing with sandy or clayey soils. Bale covers 120 sq. ft. 1 inch deep.
1 peck, 55c; 3 pecks, \$1.25; 2 bu. box, \$2.15; 1/2 bale, \$3.75; bale, \$4.95.

MICHIGAN PEAT MOSS—America's finest All-American peat. Thousands of years ago, there was a lake where now stretches a huge peat bog at Capac, Michigan. For centuries, the moss grew in the still waters until finally the lake disappeared, leaving in its place the finest peat deposit on the American continent. From this peat bog, Michigan Peat—Soil Sponge is scientifically produced, dried in the sun and stored in brick buildings to insure the maintenance of uniform quality. This scientifically processed peat costs no more than inferior substitutes, so when you buy, insist on Genuine Michigan Peat—soil sponge from Capac.
1/2 peck, 60c; 1 peck, 90c; 1 bu., \$1.70; 2 bu., \$2.50; 100 lbs., \$4.50.

KRILIUM. Soil Conditioner. Conditions soil in the garden, for new lawns, for shrubs or planting boxes. 5 lbs. will treat about 100 sq. ft. 3 inches deep, or 600 ft. 1/2 inch deep.
5 lb. can, \$4.95.

ACP SOIL CONDITIONER. Use ACP Soil Conditioner and you can turn poor soil into crumbly, loamy topsoil. It contains the two best-known soil conditioning elements. Can be used as dust or spray.
8 oz. shaker canister, 79c.

THE NEW ERA BIG 3
Makes Plants Grow and Bloom

AFRICAN VIOLET SOIL. A special soil for African Violets.

1 1/2 lb. bag, 19c; 4 lb. bag, 39c.

PEAT AND HUMUS SOIL CONDITIONER. New life for plants and soil.

1 lb. bag, 19c; 3 lb. bag, 39c; 10 lb. bag, 80c.

POTTING SOIL. An excellent soil for plants.
1 1/2 lb. bag, 19c; 4 lb. bag, 39c; 10 lb. bag, 80c; 24 lb. bag, \$1.59.

Better Plants Through Better Soil

SPAGHNUM MOSS.

1 lb., 75c; bale, \$4.75.

PLANT FOODS

ATLAS FISH EMULSION FERTILIZER—100% organic. Derived from sea going fish. Safe and easy to use. Non-burning, will not harm foliage. One pint makes 32 to 96 gallons. Long lasting. Can be applied with watering can, sprayer, or hose applicator. Preferred by EXPERTS to insure the health of ALL KINDS of plants, from cabbages to orchids. For African Violets, Ferns, Ivy, and other house plants, use 1/4 teaspoon per quart of lukewarm water, once every 10 to 14 days.
4 oz., 39c; 1 pt., \$1.00.

FLORALIFE is a nourishing, sterilizing mixture which retards wilting. Supplies nourishment to blossoms; expands their size!
Pkt., 10c; 30 qt. home size, \$1.00.

ACP GRO-STUF. A concentrated liquid fertilizer used for leaf or root feeding; a balanced 20-20-20 plant food, containing all the necessary chemicals—nitrogen, phosphoric acid, potash—plus hormones and essential mineral elements needed to make stuff grow. Highly effective on floors, vegetables, lawns, shrubs and trees.
5 oz. can, 49c; 1 lb. can, \$1.25; 4 lb. can, \$3.75.

FULTON'S PLANTABBS are the finest of plant-foods, recommended particularly for potted plants as well as the flower and vegetable garden. Clean, convenient tablets without odor; balanced and complete, they contain all the food elements any plant requires.
30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 500 tablets, \$2.00; 1,000 tablets, \$3.50.

HYPONEX PLANT FOOD. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B-1. Analysis: 7 percent; nitrogen, 6 percent phosphoric acid; 19 percent potash.
3 oz. tin, 25c; 7-oz. can, 50c; lb., \$1.00.

HYGRO SOLUBLE PLANT-FOOD. Dissolved in water and poured on plants, Hygro produces amazing results. Keeps plants healthy and productive as an all-season fertilizer.
3 oz., 40c; 2 lbs., \$1.40; 5 lbs., \$2.75; 10 lbs., \$4.75.

RA-PID-GRO. All-Soluble Plant Food. Analysis 23-21-17. For African violets, house plants, flower gardens, vegetable gardens and everything that grows. All soluble. Complete instructions on each package.
8-oz. can, 69c; lb. can, \$1.25; 2 lb. can, \$2.35; 5 lb. can, \$4.50.

MIRACLE GRO. Concentrated Water Soluble Plant Food. The all purpose liquid fertilizer for the miracle garden. Feeds plants through roots and leaves.
8 oz. can, \$1.00; 1 1/2 lb. can, \$2.25; 5 lb. can, \$5.00.

FOLIUM BALANCED PLANT FOOD. Water Soluble Concentrated Leaf Feeding Liquid Fertilizer.
1 lb. can, \$1.25.

WEED KILLERS

WEEDONE BRUSH KILLER 32. A combination of the powerful 2,4,5-T and 2,4-D. This concentrated butoxy ethanol ester formulation is highly effective in killing brush and weeds in parks, playgrounds, pastures, road sides, waterways, and any wooded area. Prevents re-sprouting at stumps.
8 oz., \$1.49; qt., \$3.75; gal., \$7.25.

THE NEW IMPROVED WEEDONE contains the powerful 2,4,5-T and 2,4-D, the two most effective chemicals for killing lawn weeds, poison ivy, poison oak, honey-suckle, wild blackberries, wild raspberries and over 90 other weeds and woody plants **WITHOUT KILLING THE GRASS.** Non-poisonous to animals or humans. Prevents re-sprouting of tree stumps. The only **ALL-PURPOSE** weed killer.
8 oz., \$1.00; qt., \$2.75; gal., \$6.75; 5 gal., \$24.75.

WEDO. The Special Lawn Fertilizer kills weeds, feeds grass.
7½ lb. bag, \$1.00; 25 lb. bag, \$2.75; 50 lb. bag (2 25-lb. bags), \$4.00; 100 lb. bag, \$7.95.

WEEDONE EASY WEED-AWAY SPRAYER. This all plastic sprayer is designed to fit any standard gallon or half-gallon jug. Only 59c each.

KILLER KANE. Kills weeds with a squirt, sprays 2,4-D with bull's-eye control. Place point on weed, press lightly, release, that's all. One fill treats 1,000 weeds.
\$1.98 each.

WEEDAR 64. A soluble salt of 2,4-D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture.
Qt., \$3.00; gal., \$4.90.

2,4D WEEDUST. Weed killer. Just dust the weeds out of your lawn.
12-oz. can, \$1.00.

DUPONT AMMATE WEED KILLER. Ammate is not considered poisonous and may be used safely on weed-infested areas without danger to livestock and humans. It is entirely free from fire or explosion hazards and actually has inherent fire-retardant properties. Ammate usually exerts only temporary soil-sterilizing effects, varying with the soil. Treated areas may often be used for growing crops during the same season.
2-lb. size, \$1.15; 6-lb. size, \$2.95.

KILL THAT CRAB GRASS!

For Sprinkling or Spraying.

CRAB-NOT. Formulation of Potassium Cyanate.
4 oz., to cover 600 sq. ft., \$1.00.

SPECIAL CRAB-NOT. Includes 2,4-D.
4 oz., to cover 600 sq. ft., \$1.25.



Improved WEEDONE Crab Grass Killer
Contains Potassium Cyanate and MCP. Kills crab grass, chickweed and d broadleaf weeds.

A really superior product for the control of crab grass and chickweed. The combination of potassium cyanate and MCP makes this a better crab grass and chickweed killer and also kills dandelion, plantain and other lawn weeds without killing the desirable grasses or clover.

Ideal when complete renovation program to kill crab grass and broadleaf weeds is desired.
6½ oz. can, \$1.25; 26 oz. can, \$3.75; 6 lb. can, \$9.70.

NEW CRAG HERBICIDE-1. Kill crab-grass seeds as they sprout in late spring and early summer. Will not discolor lawn grasses. Prevents weeds in vegetables, flower gardens. Easily sprayed or sprinkled on.
1 lb. package treats 2,000 (50x40) sq. ft. of lawn for the season or 12,000 (120x100) sq. ft. of garden.....\$4.49
4 oz. can treats 500 (50x10) sq. ft. of lawn for the season or 3,000 (60x50) sq. ft. of garden.....\$1.50

"DOLGE" WEED KILLER. Used only on paths, drives, gutters and places where no growth is wanted. Dilute 1 gallon with 40 gallons of water.
Qt., 98c; gal., \$2.50.

G & O WEED KILLER. Kills all plant growth. Dilute 1 part with 40 parts of water. Applied with an ordinary watering can.
Qt., 85c; gal., \$2.10; 5 gal., \$9.50.

INOCULATORS

NITRAGIN. The Original Legume Inoculation.

Culture A. For alfalfa, sweet clover, burr clover.

1 bu. size, 55c.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white.

1 bu. size, 55c.

Culture S. For Soy Beans, all varieties.

Small size inoculates up to 120 lbs. seed, 40c; 5 bu. size, 60c; 25 bu. size, \$2.70.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. **Pkt., 15c.** Each packet will treat up to 6 lbs. of seed.

NEW COMBINATION CULTURE "AB".

For Alfalfa, Sweet Clover, Bur Clover, Hubam Clover and for Red Medium Red, Mammoth, White Dutch, White. Wild White, Alsike, and Ladino Clovers.

1 bu. size, price each, 55c.

SEED DISINFECTANTS

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings.

4 oz., \$1.20; 12 oz., \$3.40.

SEMESAN, JR. For sweet corn.

1½ oz., 17c; 12 oz., 62c.

SEMESAN BEL. For potatoes.

2 oz., 50c; 1 lb., \$3.30.

NEW IMPROVED CERESAN.

1 lb. can, \$1.60.

CERESAN M—For small grains, cotton, flax, peas, sugar beets, rice.

14 oz., \$1.60; 3 lbs., \$4.45.

SPERGON. A new seed and bulb disinfectant which kills the soil fungi and bacteria which cause damping off, and injure gladiolus and tulip bulbs. Full strength with 98% active ingredients.

1 oz., 50c; 5 oz., \$1.75.

ARASAN. Reduces seed decay and damping-off. Destroys seed and soil-borne organisms. ¾ oz., 25c; 8 oz., \$1.00.

LEGUME-AID. Garden size for garden Peas, Beans, and Sweet Peas. 15c.

PLANT HORMONES

BLOSSOM-SET NO-SEED HORMONE. Stops blossom drops, makes blossoms set fruit; easy to use, just spray; makes tomatoes ripen 1 to 3 weeks earlier.
4 oz. bottle, 85c.

FRUITONE

REG. U. S. PAT. OFF.

More Tomatoes and More Seedless Tomatoes with Fruitone. This plant hormone spray will help develop a better set and a bigger crop of tomatoes. If the spray hits

the blossoms after blooming and after pollination, the tomatoes will be seedless.
25c pkt. makes 5 gal.; \$1 pkg. makes 25 gal.

ROOTONE

Reg. U. S. Pat. Off.

ROOTONE, the plant hormone powder, for cuttings, seeds, tubers, and bulbs. Just dip the base of the cutting or slip in Rootone, set in sand, and the roots will grow faster and bigger.
1/4 oz. pkt., 25c; 2 oz. jar, \$1.00; 1 lb. can, \$5.00. No. 10 Rootone for Hardwood cuttings, 2 oz. jar, \$2.00; 1 lb., \$10.00.

TRANSPLANTONE

Reg. U. S. Pat. Off.

TRANSPLANTONE, the hormone vitamin powder for stimulating roots in transplanting. Makes shrubs, trees, and plants in general, take root faster.
1/2 oz. pkt., 25c; 3 oz. can, \$1.00; 1 lb. can \$4.00.

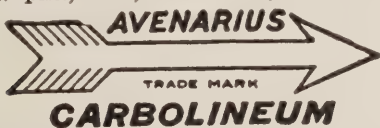
TRIMTONE. Chemical Grass Edger for walks, flower beds.
1 oz. can, 1.00; 2 1/2 oz. can, \$2.00.

KEM-KUT CHEMICAL GRASS GROWTH CONTROLLER. Less cutting, less trimming. Just sprinkle on.
1 oz., \$1.00; 2 1/2 oz., \$2.00.

ABEL'S INSECTICIDES & FUNGICIDES

CARBOLA. An efficient disinfectant for poultry houses, stock barns, cellars, etc., applied to the earth around growing plants such as cabbage, it will help to prevent cabbage maggot. Repels rabbits, moles and other rodents. Does not burn foliage.
1 lb., 30c; 5 lbs., 97c; 10 lbs., \$1.49.

SPERGON GLADIOLUS DUST. A combination Fungicide and Insecticide to be applied to bulbs before storing or planting.
2 oz. pkt., 50c; 1 lb. can, \$1.95.



AVENARIUS CARBOLINEUM. Kills mites or ticks in hen houses. Applied once a year. Guaranteed to do the work. It will not only kill mites and fowl ticks by direct contact, but if sprayed or brushed, it will penetrate all cracks and crevices and effectually stop their propagation and keep away these pests. **PRESERVES WOOD EVERYWHERE** against rot and decay, adding at least 100 per cent to the life of fence posts, poles, sills, floors, bridge timbers, porches and to wood imbedded in concrete. It enables the use of any kind of wood grown on your own wood lot for fence posts making such species as willow and cottonwood posts as durable and lasting as the long life and expensive species.
1 gal., \$2.50; 5 gal., \$9.75.

ARSENATE OF LEAD (Dry). Will destroy leaf-eating insects. Mix 2 pounds to 50 gallons water.
1 lb., 70c; 3 lbs., \$1.30.

ARAMITE-15W for Control of Red Spider and certain other mites on Evergreens and Roses.
4 oz. box, \$1.00; 12 oz. pkt., \$2.00.

ACP ROSE AND FLORAL DUST. A complete Fungicide, Insecticide, Aphicide and Miticide in one package.
1 lb., \$1.49; 3 lbs., \$3.59.

BENZO-FUME PRESSURE FUMIGATOR. Convenient, effective, economical. Controls

greenhouse red spiders, tomato russet mites, and certain mealy bugs.
1/2-lb. can, 40c ea.; case \$4.25; 1b. can, 60c ea.; case, \$7.00.



BLACK LEAF 40 (Nicotine Sulphate). Destroys aphids, thrips, etc.

1-oz. bottle	.....	\$ .39
5-oz. bottle	.....	1.19
1-lb. bottle	.....	2.69
2-lb. bottle	.....	4.79
5-lb. bottle	.....	7.60
10 lbs.	.....	14.70

BORDEAUX MIXTURE (Dry). For all fungoid diseases, mildew, and various rots of grape, etc.

1 lb., 45c; 4 lbs., \$1.30.

CALCIUM ARSENATE. For spraying to kill potato beetles and cabbage worms, and for use on plants having hardy foliage, use 1 1/2 to 2 pounds to 50 gallons water or 2 tablespoons to 1 gallon water. For dusting, dilute with an equal amount of hydrated lime and apply with duster.
4 lbs., 80c.

CARBON BISULPHIDE. Kills weevils, bugs and insects generally in beans, peas and grains while in storage. When placed on top of either bulk or sacked grain the fumes permeate the entire bulk.
2 1/2 lb. can, \$1.25; 5 lb. can, \$2.00.

COPPER SULPHATE (Blue Stone).
1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.75.

C.P.O. (Insecticidal Soap Spreader). Odorless, non-poisonous, liquid form. Dilute 1 to 80 to make nicotine, pyrethrum and other insecticidal poisons more effective. Can also be used without insecticidal poisons for control of **JUNIPER SCALE**, many forms of aphids and certain other insects infesting evergreens, flowering shrubs, fruits and vegetables.
Gal., \$3.25; 5 gal., \$11.25.

SUPER-COPPER CONCENTRATED FUNGICIDE can be used in place of Bordeaux Mixture. It does not increase transpiration rate of the plant. This, plus its plant food and stimulating value produces earlier and better crops. It controls fungus diseases equally as well, mostly better than Bordeaux Mixture. Eliminates mixing and clogged nozzles. Ideal for cucumbers, pepper, celery, tomatoes, carrots, etc.
Qt., \$2.00; gal., \$6.75.



CYANOGAS G-FUMIGANT. The positive fumigant for greenhouse fumigation, mushroom house fumigation, warehouse and flour mill fumigation, grain fumigation, seed fumigation, fumigation of growing and dormant nursery stock, soil sterilization (wireworms, millipedes, grubs, and other soil inserts). Fumigating bulbs in storage (gladioli, narcissi, iris, etc.). Fumigating tourists' camps, summer camps, bunk houses (for bedbugs, cockroaches, etc.).
5 lbs., \$4.25.

DI-NITROL. (Wettable). Di-nitrol is recommended for control of green and rosy apple aphids and, when combined with oil emulsions such as S-W Free-Mulsion, Flo-Mulsion, or Spra-Mulsion, for control of bud moth, leaf roller, red bug, red mite, San Jose, oyster shell and scurfy scale. For bud moth, leaf roller, red bug, European red mite, scurfy and oyster shell scale and rosy and green aphids use 1 pound of Di-Nitrol with a 3 to 4% oil emulsion made by adding 4 to 5 gallons of Free or Flo-Mulsion to 100 gallons of water in the spray tank. When San Jose scale and green and rosy aphids only are present use 2% S-W Free or Flo-Mulsion and 1 pound of Di-Nitrol.
1 lb., 80c.

ABEL'S INSECTICIDES and FUNGICIDES

DITHANE Z-78 (Parzate Dry). Agricultural Fungicide for Spraying or Dusting. 3 lbs., \$3.50.

D.D.T. 50%. Wettable powder for use on agricultural crops, farm animals and farm buildings.

1 lb., 90c; 4 lbs., \$2.50.

DUPONT EPN 300 INSECTICIDE is a wettable powder recommended for control of various types of mites.

1 lb. can, \$2.25; 3 lb. can, \$6.50.

DUPONT FRUIT TREE SPRAY. For the control of many fruit diseases and insects.

1 lb., \$1.25; 3 lbs., \$2.75.

DUPONT FERMATE. Fungicide for control of certain plant diseases. A DuPont pest control product. Active Ingredient Ferric Dimethyldithiocarbamate.

8 oz., \$1.00; 3 lbs., \$2.75.

DUPONT GARDEN DUST. Contains 5% DDT, $\frac{3}{4}$ % Rotenone, plus Zerlate and Fermate. A complete insecticide and fungicide for garden use.

8 oz. sifter can, 98c; lb., \$1.25.

DUPONT FLORAL DUST. Protection for flowers. One product, newly developed to control both insects and plant diseases. Simplifies pest control.

8 oz., 98c; lb., \$1.25; 3 lb., \$2.75.

DUPONT SPREADER-STICKER. A combined spreading, sticking, and wetting agent designed especially for use with agricultural sprays.

Pt., \$1.50.

GREEN-GLO for potted plants. Makes 'em grow.

8 oz. bottle, 60c.

FLOWERS OF SULPHUR. A staple preventive for mildew on grapes, roses, etc.

Lb., 35c; 2 lbs., 50c; 5 lbs., \$1.10; 10 lbs., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$9.50.

FRUIT SPRAY OR DUST (FARMRITE). Insecticide and Fungicide for all apple, peach, pear, cherry, plums, grapes, and other fruit trees.

1 lb., \$1.25; 4 lbs., \$2.75.

GRAPE DUST. To kill mildew of grapevines; also on other plants or trees affected with mold, mildew, and rust-mites.

5 lbs., \$1.50.

ISOTOX. Garden Spray. Contains melathion D.D.D. lindane, the powerful insecticide that is so effective in destroying Japanese beetles and other garden pests.

4 oz. bottle, \$1.00; 8 oz. bottle, \$1.85; pt., \$2.95.

JAPELLENT is a non-poisonous arsenic-free insecticide and repellent that kills Japanese beetles on contact and protects plants against injury. Japellent is harmless to humans and animals, but deadly toxic to beetles and other leaf-eating insects. It leaves an invisible protective film.

4 oz. can (makes 4 gals.), 55c; 1 lb. can, (makes 15 gallons), \$1.50.

KLOR-SPRAY. 40% Chlordane Wettable Powder for use on Vegetables, Crops, Turf.

1 lb. can, \$1.30; 4 lb., \$3.00.

LIME-SULPHUR (Dry). Widely recommended and known as one of the best preparations for San Jose scale, oyster-shell scale, etc.

1 lb., 75c; 5 lbs., \$2.95.

LIME-SULPHUR SOLUTION. A concentrated liquid form of this widely used insecticide and fungicide for spraying fruit trees. It is usually combined with other materials to control several types of insects and diseases with the same spray. Dilution: 1 to 20 for dormant spraying.

1 qt., 75c; 1 gal., \$1.80; 5 gal., \$4.25.

LINDANE. 25% Wettable Spray Powder for use on Fruits, Vegetables, Foliage Crops and Tobacco.

1 lb., \$2.90.

LUCKY STRIKE NO. 200 DUST (Mexico-Dust). Aids in control of Powdery Mildew on String Beans. 2% rotenone and other cube resins, thiocyanate compound. 15% sulphur. Insecticide and fungicide. For dry dusting or wet spraying. Controls tomato horn worms (small), Mexican bean beetles, cabbage worms and many other insects.

1 lb., 70c; 2 lbs., \$1.10; 5 lbs., \$2.00.

LUCKY STRIKE NO. 300 DUST (Crop-Maker). 2% Rotenone and other Cube Resins, 5% Copper Oxide. For dry dusting or wet spraying; for tomatoes, beans, cabbage, cucumbers, squash. Controls early and late blight, tomato hornworms (small), cabbage worm, Mexican bean beetles and many other insects. Insecticide and fungicide.

1 lb. can, 75c; 2 lb. bag, \$1.10; 5 lb. bag, \$2.50.

LUCKY STRIKE NO. 6 GARDEN SPRAY. 2% Rotenone and Pyrethrum Liquid. One gallon makes 400 to 600 gallons finished spray, diluted with water. Controls many insects and is compatible with copper solution.

1 oz., 35c; 4 oz., \$1.00; 8 oz., \$1.60; pt., \$2.50; qt., \$4.50; gal., \$14.00.

LUCKY STRIKE NO. 30 (Triple Garden Spray). Rotenone, Pyrethrum, D. D. T. Liquid. This product contains 25% D. D. T. for long-lasting results; Pyrethrum for quicker action plus 1% pure Rotenone for chewing insects. Emulsifies instantly and perfectly in water for spraying. Controls a wide variety of insects.

1 oz., 35c; 4 oz., \$1.00; 8 oz., \$1.60; pt., \$2.50; qt., \$4.50.

LUCKY STRIKE POTATO-MAKER NO. 400. 5% D. D. T. (Air Floated), 7% Copper Metallic (Tri-Basic). For potatoes, tomatoes, grapes, flowers and many others. Controls early and late blight on potatoes, tomatoes, black rot on grapes, mildew and black spot on roses, potato beetles, tomato worms, leafhoppers, flea beetles, psyllids, tarnished plant bug and many others.

5 lbs., \$2.00.

LUCKY STRIKE NO. 1200 DUST (Blight Master). Contains 4.3% Metallic Copper (in Tri-Basic Copper Sulphate), 1.1% Zinc Metallic, 3% D. D. T. For potatoes, tomatoes, grapes, etc. Can be used wet or dry. Controls early and late blight, anthracnose, leaf mold, septoria leaf spot, downy mildew, blue mold, scab and black rot. Controls cabbage worms, Colorado potato beetle, Japanese beetle, leaf hoppers, rose chafer, leafrollers, lyrys bugs, potato psyllid and many other insects. Insecticide and fungicide.

1 lb., 50c; 2 lb., 70c; 5 lb., \$1.60.

LUCKY STRIKE NO. 500 DUST (Black Magic "For Roses"). Contains Fermate, Rotenone, Pyrethrum, D. D. T. and Sulphur. The finest quality money can produce. Controls fungus diseases, black spot, aphids and rose bugs; mildew, Japanese beetles and many other insects on roses, perennials, annuals and vegetables. Insecticide and fungicide.

1 lb. can, \$1.25; 2 lb. bag, \$2.00; 5 lb. can, \$4.00.

LUCKY STRIKE NO. 90 DUST (Tree-Zone Fruit Spray). For dormant and follow-up spaying. Contains fermate, lead arsenate, sulphur, D. D. T. Insecticide and fungicide for control of certain chewing and sucking insects and fungus diseases on apples, peaches, plums, pears, cherries and grapes. Insecticide and fungicide.

1 lb., 85c; 2 lbs., \$1.40; 5 lbs., \$3.00.

LUCKY STRIKE MITE NO. 25 (Lindane & Aramite). Kills Quicker—Lasts Longer. The complete miticide-insecticide and aphicide. In liquid form. A remarkable new combination spray for fruit trees, vegetable gardens and flower gardens. Mixes instantly with water. Controls aphids, thrips, red mite, two-spotted mite, Pacific mite, Atlantic mite, spruce mite, Japanese beetle, cucumber beetle, squash bug, army worm, leafhopper and many others.

1 oz., 35c; 4 oz., \$1.00; pt., \$2.50.

LUCKY STRIKE 48% CHLORDANE LIQUID EMULSIFIABLE CONCENTRATE. Formula No. 57. Controls grubs in lawns, on golf courses, greens, many vegetable and flower garden insects and certain household insects.

1 oz., 35c; 4 oz., \$1.00; 8 oz., \$1.60; 16 oz., \$2.50; qt., \$4.00.

ABEL'S INSECTICIDES and FUNGICIDES

LUCKY STRIKE NO. 4 (Copper Solution). For black spot and mildew on roses.

4 oz., 45c; 8 oz., 75c; pt., \$1.40; qt., \$2.50.

LUCKY STRIKE NO. 7 (African Violet Spray). Controls cyclamen mites, broad mites, mealy bugs, nematodes, thrips, aphids, small earth worms, spring tails, gnats, black flies, rose chafer, lace bugs, red spider, Japanese beetles, ants and certain others. For house plants. Mixes instantly with water—Easy to Apply—Perfect Control.

1 oz., 50c; 4 oz., \$1.25.

LUCKY STRIKE NO. 5 DUST (Micronized Wettable Sulphur). Controls black spot and mildew on roses, red spiders on flowers and ornamentals, brown rot of stone and scab on apples, pears and peaches. Controls red spider in evergreens.

1 lb. can, 35c; 2 lb. can, 60c; 5 lb. bag, \$1.10.

LUCKY STRIKE NO. 40 DUST GRUB MASTER (Kills Ants). 5% Chlordane. Controls Japanese beetle grub, chinch bug, wire worms, cut worms, grasshoppers, thrips, roaches, silver fish and many other insects. Five pounds covers 1,000 sq. ft. Insecticide.

1 lb., 60c; 5 lbs., \$1.60.

LUCKY STRIKE HOUSEHOLD SPRAY. 5% D. D. T., 5% pyrethrum.

Pt., 60c; qt., \$1.00; gal., \$3.00.

LUCKY STRIKE LAWN GUARD. For use against chinch bug, Japanese beetle, grub and Asiatic beetle.

5 lbs., \$2.50.

MALATHION LIQUID. Aphid and mite spray containing 50% Malathion. One of the newest insect killers recommended for control of many hard-to-kill insects. An emulsifiable insecticide.

1 oz., 60c; 4 oz., \$1.00; pt., \$3.25.

METHOXYCHLOR 50%. Aids in the control of many insects. Because of its low toxicity to warm-blooded animals and its safety on plants, Marlate 50 can be used successfully for the control of most insects attacking such vegetable crops as snap and lima beans, cucurbits and peas. May also be used to help protect peaches, early apples and grapes from Japanese beetles and rose chafer. 8 oz. can, 75c; 4 lbs., \$3.75.

NICO-FUME LIQUID. A highly refined solution of free nicotine guaranteed to contain fully 40 per cent nicotine. Used for destroying aphids, thrips, etc.

2 lbs., \$4.00; 8 lbs., \$13.80.

NICO-FUME PRESSURE FUMIGATOR. Nico-Fume Pressure Fumigator is safe for the plants and is the most commonly used fumigant. Insects on crops grown in greenhouses may be controlled by fumigation in many instances. This is advantageous to greenhouse owners because fumigation reaches every leaf and bud, and requires less time and labor than does spraying.

½-lb. size, 50c each; case lots of 1 doz., \$5.65; 1-lb. size, 95c each; case lots of 1 doz., \$10.70.

PARA-DICHLOROBENZINE (P.T.B.). For peach-tree borers.

1 lb., 43c; 5 lbs., \$2.00; 10 lbs., \$3.90; 25 lbs., \$9.50.

PARIS GREEN. Superior quality.

¼ lb., 34c; 1 lb., 84c.

POMO-GREEN WITH NICOTINE. For spraying or dusting against plant diseases and various pests.

4 lbs., \$3.00; 5 lbs., \$3.85.

PARATHION 15% WETTABLE POWDER. Excellent insecticide for fruits and vegetables.

1 lb., \$1.00.

PARA-SCALECIDE. Protect your peach trees. The modern, safe, peach borer control. A prepared combination of Scalecide and para-dichlorobenzene making a liquid treatment for treating peach borers that is effective and safe on young and old trees with a considerable saving of labor of application.

½ pt., 75c; 1 qt., \$1.50; gal., \$3.50; 5 gal., \$13.00.

RED ARROW INSECT SPRAY. A non-poisonous, efficient insecticide for use against sucking and chewing insects, such as Mexican bean beetles, rose-chafers, aphid (plant lice), leaf-hoppers, etc.

Oz., 35c; 4 oz., \$1.00; pt., \$2.85; qt., \$5.00; gal., \$18.20.

ROSE DUST OR SPRAY (Farmrite). Controls many floral insects and disease.

1 lb., 90c; 5 lbs., \$2.50.

SCALECIDE. The quality miscible oil. Old-est and best known dormant or delayed spray for fruit trees and ornamentals. Easy and pleasant to use. Use 1 to 15 for all deciduous trees, 1 to 20 for evergreens. Kills scale, aphids, red mite and other insects wintering on the trees. It is a complete dormant spray. Invigorates and kills insects. Fall spraying controls scale, peach leaf curl, pear psylla, bud moth, case bearer, etc. Spring spraying controls scale, red mite aphids, red bug, tent caterpillar, leaf miner, case bearer, etc.

Pt., 85c; qt., \$1.25; gal., \$3.00; 5 gal., \$11.50.

SLUG SHOT. The safe, non-poisonous, dusting Insecticide. Kills chewing insects and controls fungus. Harmless to humans, plants and vegetables. Kills Mexican bean beetle, cabbage worms, beetles, potato bugs, green flies, slugs, etc.

1 lb., 50c; 3 lb., \$1.10.

SOILFUME CAPS for use in control nematodes and wireworms in garden and greenhouse soils.

100 capsules, \$2.25.

SPRAY CATALIZER AND STICKER. A spreader sticker for lime sulfur, arsenate of lead and other chemicals. Stops lead sulfide (black sludge) formation when arsenate of lead is combined with sulfur. Enables one to get better coverage with less applications as adhesive qualities enable spray material to remain on plants even during heavy rain. Use 1 to 2 pounds to 100 gallons.

2 lb. pkg., 90c.

SULFOCIDE. A liquid fungicide for fruits, vegetables, and flowers to control mildew, rust, anthracnose, brown rot, etc.

Qt., \$1.50; gal., \$3.50.

SULPHUR, WETTABLE (Dritomic). A new and greatly improved summer fungicide containing 95 per cent Sulphur of 325-mesh fineness. It wets immediately upon being placed in water and will stay in suspension indefinitely. Ideal for wet spraying of fruit and ornamental trees to control scab-rot, leaf-spot, mildew, rust, etc.

1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.10; 10 lbs., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$9.50.

SUNOCO SPRAY OIL. For the control of scale insects, red spider, aphids, thrip, etc. Cheap, effective, and pleasant to handle.

Gal. \$1.40; 5 gal., \$5.80.

TARTAR EMETIC. To control gladiolus thrip, use 4 lbs. Tartar Emetic with 16 lbs. brown sugar to 100 gals. of water.

Lb., \$1.35.

VOLCK NURSERY AND GARDEN SPRAY. Controls scale, red spider, white fly, mealy bugs, and the eggs of various other pests.

4 oz., 35c; 16 oz., 75c; 32 oz., \$1.25; gal., \$3.00; 5 gal., \$9.95.

For Insecticides SEE THE SEEDSMAN!

You can buy insecticides in many types of stores.

But there is only one type of store where the necessary KNOW-HOW goes along with the merchandise.

A good seedsman isn't only a merchant. He's a garden doctor, always on the job to help you make your home more beautiful, more fruitful. He KNOWS!

Therefore, plain common sense says,

For Insecticides See the Seedsman!

ABEL'S INSECTICIDES and FUNGICIDES

TRI-GEN ROSE BOMB. An insecticide and Fungicide. Price, \$1.69.

TRIOGEN. For controlling black spot, mildew and blight. Especially recommended for roses, asters, snapdragons, carnations, hollyhocks, delphiniums, phlox, chrysanthemums, golden glow, dahlias and many other plants subject to disease and insects.

A. Small Kit (makes 16 quarts), \$2.35 protects 12 to 20 roses for season; B. Medium Kit (makes 49 quarts), \$6.00, pro-

TECTS 50 to 80 roses for season; C. Large Kit (makes 32 gallons), \$9.00, protects 100 to 160 roses for season; D. Estate Kit (makes 128 gallons), \$30.00, protects 400 to 600 roses for season; E. \$1.50.

VAPOTONE-XX SPRAY. The new wonder insecticide for garden use. Kills Aphids, Red Spider mites, Thrips, Caterpillars, Crawler scale.

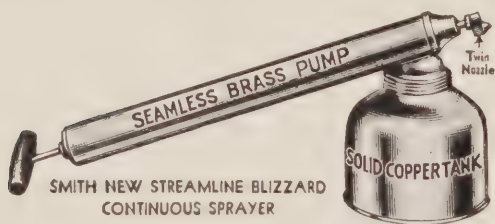
4 oz., \$1.00; 16 oz., \$2.75; 95/100 gal., \$11.90.

Sprayers, Dusters and Sprinklers

BLIZZARD CONTINUOUS SPRAYER

Of one quart capacity, fitted with a nozzle that will permit under-foliage spraying. Tank is made of copper and the pump of brass. This is, in our opinion, the finest sprayer of its type ever offered.

One quart size, \$5.75.



BROWN'S CRYSTAL DUSTER

This new type Duster for use in either the flower or vegetable garden has the glass jar showing balance of dust therein. Equipped with a long extension and adjustable nozzle which permits dusting without bending. Capacity, 1 qt. Price complete, \$2.65.



E-Z KNAPSACK SPRAYER. 5 gal. zinc-grip steel tank; 4 ft. hose; 2 ft. brass extension. Adjustable nozzle. \$42.95.

HAYES HAN-D SPRAYER. An all-purpose quart sprayer delivering a powerful fan-shaped spray up, down, or sideways. Easy to operate. \$2.95.

NEW J & P MIDGET ROTARY DUSTER

Throws 8 ft. dust stream, with just one simple turn of the handle. Treats over 200 rose bushes with one filling.

Weight only 1 1/4 lbs. Rust proof metal alloy gears. Aluminum body.

The surest, fastest way to dust all your outdoor and greenhouse plants. Only \$9.95.

CYANOGEN FOOT PUMP DUSTER

A high pressure pump of rugged construction ideal, for use in extermination work for rats, woodchucks, moles, and other burrowing animals. Easily forces Cyanogas A-Dust deep

into the burrows of the pests—killing them instantly.

Especially useful for rat and mole control. Will give long service.

Price, \$15.00.

CHAPIN COMPRESSED AIR SPRAYERS

Sturdily built, these large capacity, turret-top sprayers come in popular sizes. Will spray anything in liquid form—operating, smoothly, steadily, forcefully with gentle pumping. The large open top is 4 1/2" wide and permits easy filling and cleaning; has simple yet foolproof positive locking device. Model No. 187, galvanized steel tank has a 14" x 1 3/4" dia. pump with brass valve. Pumps are of one piece seamless, deep-drawn brass with tight fitting, heavy-duty plunger.

Model 187—3 1/2 gal., \$14.25.

Model 177—2 1/2 gal., \$13.25.

No. 110—1 1/2 gal. tank galv	.....	\$7.90
No. 120—2 gal. tank galv	.....	8.35
No. 130—2 1/2 gal. tank galv	.....	8.80
No. 140—3 1/2 gal. tank galv	.....	9.25

We carry a complete line of **CHAPIN'S HAND SPRAYERS**, from 35c to \$5.75.

HOSE REEL (ALL IRON)

Holds 100 ft. of 1/2 in. plastic hose. Price \$4.75.

SOIL SOAKER

LIKE ALL NIGHT RAIN

Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of scientifically created, mildew-resistant canvas; one end screws to water hose, other end closed. No spray—no waste on walks, driveways, in street—no excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens.

4 Home Sizes: No. 0—12 ft. \$2.00; No. 1—18 ft. \$2.75; No. 2—30 ft. \$4.15; No. 3—50 ft. \$6.50.

SUNBEAM RAIN KING. America's only automatic sprinkler. Model K—Adjustment can be made from 5 feet to 50 feet simply by turning the dial. Model K, \$8.75; Model H, \$7.95; Model D, \$5.95.

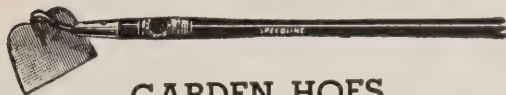
SUPPLEX FLEXIBLE SPRINKLER

25 ft. covers a rectangular area 625 sq. ft.
25 ft. long 25 ft. wide, \$3.98.
50 ft. covers a rectangular area 1,000 sq. ft.
50 ft. long, 20 ft. wide, \$5.98.

ABEL'S SEED HOUSE, READING, PA.

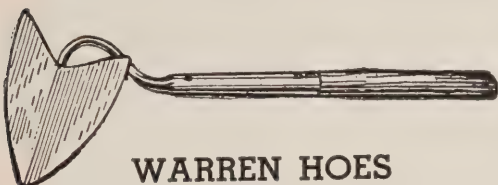
GARDEN AND LAWN TOOLS, ACCESSORIES

"NEEGARDS." Light sponge rubber pads to strap over and around each knee. Allows ample freedom yet gives thorough protection against hard or damp ground. Price, \$2.25.



GARDEN HOES

6 1/2-inch solid shank.....\$2.35



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. Price, \$2.80.



TWO-PRONG ONION HOE

Will be found very valuable in weeding narrow rows. Price \$2.55.



No. 1523. GARDEX CULTIVATOR WITH WEEDER. Cultivate and weed with one tool. The 3-prong Cultivator loosens the soil thoroughly while the weeding-blade cuts off weeds quickly. One tool for two purposes. 3 prongs 4 1/2 in. wide. Weeding blade 4 in. Price, \$2.29.



JOHNSON'S ASPARAGUS KNIFE AND WEED CUTTER. 75c each.

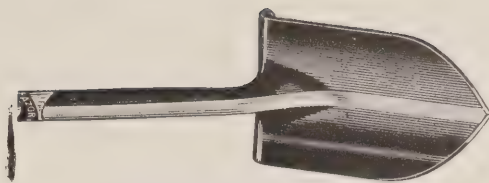
GARDEX

SEVEN TOOLS IN ONE—Gardex New Interchangeable Cultivator. Only four parts. The wing screw holds all prongs tightly in place, yet permits quick changing to a cultivator with 1, 2, 3, or 4 prongs, thus one can cultivate in rows of various widths or straddle the rows. The one-prong tool can be used in small corners or very narrow rows, because the prongholder is no wider than the prong itself. Price, \$2.59.

HAND PLOW

Excellent for hill-ing corn, potatoes or any plants.

No. 2006. 6 in. wide; 5-ft. handle. Price, \$2.95.

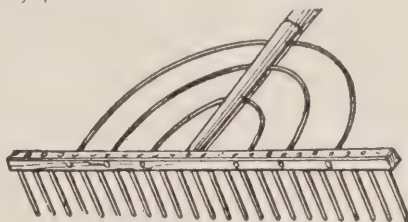


SHOVELS, LONG HANDLE

Monogah. Round point.....\$3.65
Razor back.....3.25

WOODEN RAKES

RUGG. 28-tooth; width 26 in. steel bows. Price, \$2.50.



GARDEN RAKES

Ames 16 Tooth\$2.90
Ames 14 Tooth Bow Rake2.70
Gardex 16 Tooth2.19
Gardex 16 Tooth Bow Rake.....2.49

SPADING FORKS

Strapped shanks; short or D wood handle. Made of best-quality steel.

Gardex\$2.98
Ram3.00
Ames3.40

GRASSWHIPS

The New Double-Edged, Long-handled Grass-Cutters.

The easiest way to cut grass and weeds; cuts rapidly on both forward and backward swing.

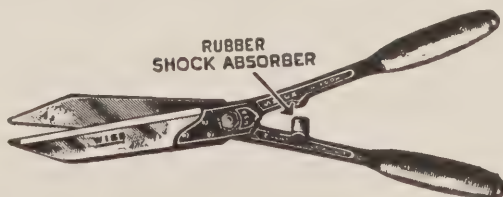
The gooseneck type; forged blade; double edged; 37-in. round steel shaft, with wooden handle.

Price, \$1.50.



GRASS SHEARS

Wiss Scissors Type Shear.....\$2.95
Keiser's Miracle Shears.....2.75
No. 5 Colona Grass Shear.....3.20
Keiser's Long Handle Shears.....7.50



WISS HEDGE SHEARS

Superior construction; blades of high carbon steel, accurately hardened and tempered. Handles of drop forged steel with comfortable wood-grip handles. Don't tire the arms.

6 1/2-in. L\$3.50
8 1/2-in. E with shock absorber5.25
9 1/2-in. E with shock absorber5.75



PRUNING SHEARS

No. 908. Wiss Hy-Power	\$2.95
No. 607. G. Wiss Rose Pruner	2.95
No. 21. S. Newman's Thinning	1.75
No. C-4. Wiss Thinning Shear	2.90
No. 808. Wiss Draw Cut Pruner	4.25
Fragey Pruning Shears	5.50



JOHNSON STEEL TROWELS

No. 211. These are made of one-piece steel blade and shank, with wood hand-grip.

6-in	\$1.75
7-in	2.75

NO-SEE GRASS BARRIER

Eliminates grass trimming and edging. Made of corrugated galvanized steel selected expressly for this use. Each section 4 inches deep makes two feet.

40 ft. to box, \$4.98.

LAWN ROLLERS

	Wt. Filled With Water	Prices
No. 700—14 x 18	112 lbs.	\$12.95
No. 701—14 x 24	147	17.00
No. 702—18 x 24	237	20.75
No. 703—24 x 24	386	26.00


For weight filled with sand double above figures.

GRO-QUICK ELECTRIC SEED BED HEATER

SEED UP IN 30 HRS. TRANSPLANT 2 WKS. SOONER!

CUT GERMINATION TIME 2/3.

ROOT CUTTINGS IN 6 DAYS. Soil Heating Cable for cold frames, plant benches. Testimonials, plans, instructions mailed FREE. JR. CABLE with AIR THERMOSTAT for 20 sq. ft., \$6.75. SR. CABLE with AIR THERMOSTAT for 40 sq. ft., \$9.00.



METAL PLANT PROPS

Help YOUR FLOWERS HOLD UP THEIR HEADS

with **PATENTED METAL PLANT PROPS**

All heights shown are overall. Deduct 4" from 16 size and 6" from all other sizes for net height.

BAKED GREEN ENAMEL FINISH

66" 42" 30" 16"

"Out since Pearl Harbor . . . now available again" Green enameled steel props that provide perfect support for all types of flowers and plants. Plant Props are rot-proof, termite-proof, wear-proof! They can be saved from year to year . . . look good in any part of the garden . . . and cost very little.

"America's Darling of the Props"

16 in.—70c per doz., 30 in.—\$1.75 per doz.,
42 in.—\$2.10 per doz., 66 in.—\$3.50 per doz.,
78 in.—\$5.30 per doz.

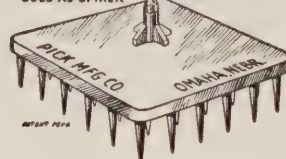


AN INDESTRUCTIBLE ALL METAL TOOL MADE OF QUALITY MATERIALS. WEIGHT 1 1/2 POUNDS OVERALL LENGTH 4 FT. PLATE 9 INCHES SQUARE. SPIKES 1 1/2 INCHES LONG.



USED AS TAMPER

USED AS SPIKER



\$7.75 each.



BULB PLANTER

An indispensable tool because it makes a perfect planting hole for practically all sorts of bulbs without disturbing the surrounding soil.

Price 95c.

SPREADERS

SCOTT'S SPREADERS

- Junior—Rubber tired, \$7.95
- No. 25 Medium Size Lawn, 16 in. Spread, \$12.85
- No. 65 Suburban Size Lawn, 23 in. Spread, \$19.50
- No. 100 Estate Size, 36 in. Spread, \$44.50
- No. 54 KARRY KART—24" long, 16" wide, 12" deep. Solid disc type with ribbed rubber tires, \$6.00
- No. 55 HANDY HAULER—29 3/4" long, 20" wide, 15" deep—with solid disc type with ribbed rubber tires, \$9.90
- No. 56 HANDY HAULER—29 3/4" long, 20" wide, 15" deep. Semi-pneumatic tires, \$11.90



THE CYCLONE SEED SOWER

Best and cheapest crank seeder made, considering the quality of work done and durability. Will not get out of order nor be affected by damp weather. Distributes all kinds of fertilizer, land-plaster, ashes and seeds. Weight 6 pounds, \$4.30.



PLANET JR. TOOLS

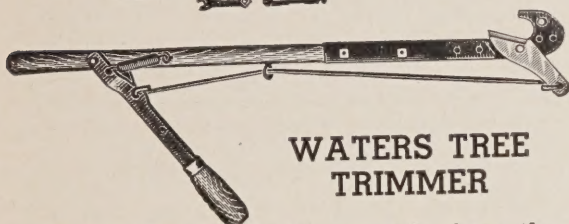
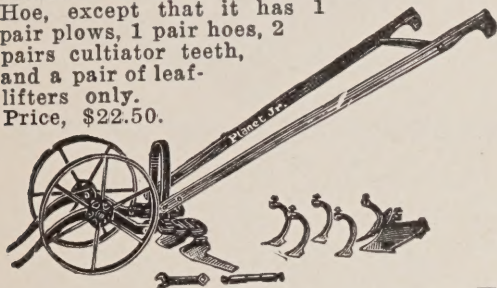
Products of 80 years' experience by a practical farmer and manufacturer who has made a science of tool-building. All guaranteed. Illustrated catalogue FREE. Prices subject to change.

NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR, AND PLOW. Does the work of almost all garden tools combined. It sows accurately all garden seeds in drills or hills 4, 6, 8, 12, or 24 inches apart, cultivates.

No. 4 Complete\$34.95
No. 4D As a Seeder only..... 27.95

No. 12 DOUBLE WHEEL HOE. This is identical with No. 11 Wheel Hoe, except that it has 1 pair plows, 1 pair hoes, 2 pairs cultivator teeth, and a pair of leaf-lifters only.

Price, \$22.50.

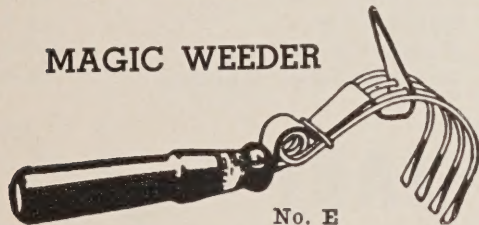


WATERS TREE TRIMMER

Both blade and hook are made from the best tool steel, firmly riveted to basswood handles. Removable cutting blade and pole complete.

8-ft.....\$4.10 10-ft.....\$4.50 12-ft.....\$5.50

MAGIC WEEDER



No. E

Made of heavy, galvanized flexible wire with flattened prongs or ends.

No. A. Short handle, 3 prong.....\$.25
No. B. Medium handle, 3-prong..... .35
No. C. Short handle, 4 prong..... .35
No. BB. Long handle,, 3 prong..... .60
No. E. Short handle, 4 prong, V-blade45



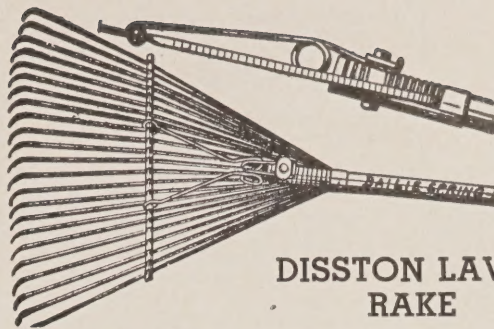
New Super-Speed Model. Trims hedges, shrubs, evergreens, terrace grass and borders. Saves hours of labor. Light, vibrationless—a professional shear that a woman can use. Trims any hedge or evergreen to sharp, beautiful outlines. Self sharpening. Works from any light socket. Weighs only 5¾ pounds. Electric hedgeshears have been proved in thousands of gardens.

Price including 9 feet of cord.....\$51.25
Extra cord, 100-foot length, 16-gauge.... 7.75
50 ft. length 5.25

BAMBOO BROOM RAKE

First quality bamboo with patented brass clip and hard wood handle makes this the best on the market.

18-inch\$1.50
24-inch 2.00
30-inch 2.75



DISSTON LAWN RAKE

This tool, fitted with 24 teeth, made from flat spring steel, is so well constructed and of such superior material that we believe it to be the best lawn rake available.

18 in.—\$2.65; 24 in.—\$3.45.

Upper View Shows Spring Construction

PRUNING SAW, DOUBLE EDGE No. 4. Has 8 point teeth on one side and "Lightning" style teeth on the other. A very fine double purpose saw. \$3.40.

PRUNING SAW, CALIFORNIA PATTERN No. 166. A popular type with taper ground, curved steel blade and 8 point teeth cutting on the draw stroke. \$2.50.

No. D27. A superior saw for tree-surgery work. Steel blade 6 in. wide at butt; 1½ in. at the point. 26 in. long; hardwood handle. \$7.20.



No. 20 PRUNING SAW. The No. 20 Pruning Saw has a hook on socket for pulling branches out of trees. This saw is generally used with a pole. Blade curved, taper ground, with 14-inch cutting edge. Long, slender, needle-shaped teeth, 8 points to inch. Price, \$4.50.

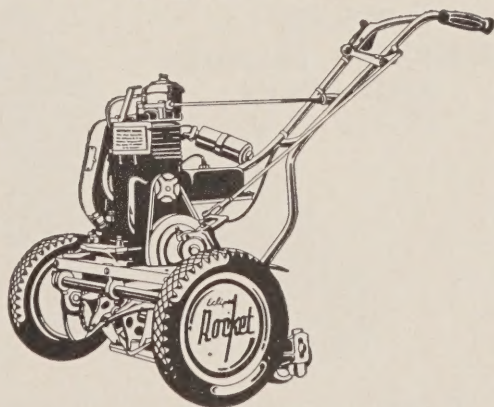
TIFFANY LOPPING SHEARS. The blades are concaved at the cutting edge, producing with the handles an enormous leverage. The easiest operating Lopping Shears ever made or sold.

20-inch handles\$5.25
24-inch handles 5.50

FORESTER LOPPING SHEARS. A heavy-duty tool for bush cutting and heavy pruning.

No. 2, for 1½ in. cut of greenwood, \$7.50;
No. 3, for 2 in. cut of greenwood, \$8.50.

POWER LAWN MOWERS FOR 1956



20" ECLIPSE ROCKET
MODERNIZED MOWING FOR HOME OWNERS

\$134.50

18" ECLIPSE LARK

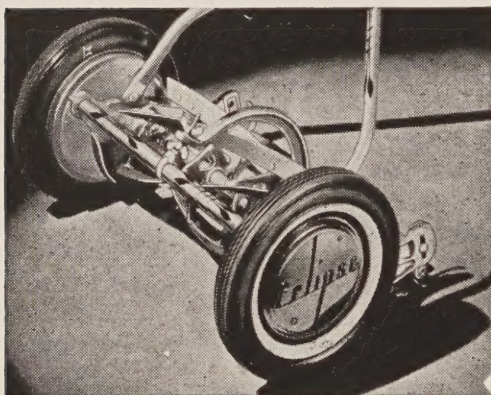
\$114.50

Winged Performance on Goodyear
Semi-Pneumatic Tires!

Rocket demand has shown the greatest ownership desire since the coming of the automobile. Its appeal has been instantaneous because it keeps pace with the American mode of living. The Rocket is starred with features—full 20 in. cut, Briggs & Stratton motor, Timken bearings, Goodyear rubber tires, self sharpening. Now modernized and priced for the average family.

Eclipse

**THE WORLD'S BEST
LAWN MOWER**



The Eclipse is always in perfect adjustment—no tinkering—no expense.

The Eclipse is always sharp. No expense—no attachments—no disassembly.

Eliminates the old screw driver method—easy finger-tip adjustment assures proper set of knives for sure cutting.

Eliminates that yearly sharpening cost—only Eclipse provides you automatic self-sharpening without use of tools, or disassembly.

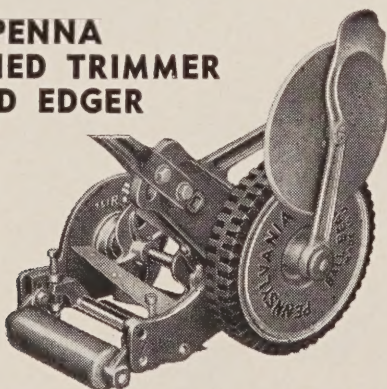
**MODEL L
ECLIPSE HAND MOWERS**

16" — \$34.50

18" — \$36.00

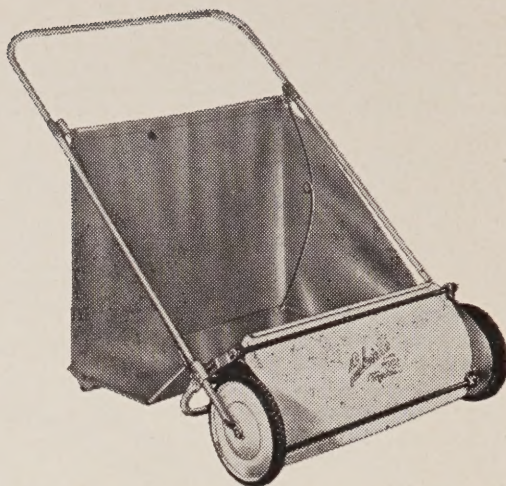
Other Models, \$22.50, \$27.00, \$30.00

**PENNA
COMBINED TRIMMER
AND EDGER**



This machine, consisting of the Ballbearing Trimmer, equipped with a steel disc and a small plow, will trim the overhanging grass along the edges of paths and flowerbeds, relieving the gardener of work with hand shears or a grass hook. Cutting width, 6 inches.

Price, \$24.75



PARKERETTE LAWN SWEEPER

Will do four hours work in one hour.

The Parkerette Lawn Sweeper operates with a soft, easy, whirling movement that gently lifts leaves, freshly cut or dried grass, sticks, stones and paper from lawns.

Specifications

Sweeping brush 9" diameter, 20" length. Sweeping height from 0" to 2 1/2". Easily adjusted.

Wheels high tensile cast aluminum alloy fitted with 10.25x1.50 semi-pneumatic tires.

Brush bearings—reel mounted on separable type ball bearings completely enclosed

Gears—High strength aluminum alloy enclosed.

Collecting Hopper—Three and one-half bushel capacity made of heavy canvas with metal bottom.

Handle—seamless tubing.

20" Parkerette\$ 33.50

28" Parkerette 41.00

28" Springfield 55.50

28" Home Master 157.00

28" Lawn Master Electric.... 104.95

JARI

Power Scythe

\$220.00

**THE JARI
POWER
SCYTHE
HAS
EVERYTHING**



POWER—To cut the heaviest weeds.

STRENGTH—In welded frame to last indefinitely.

LIGHTNESS—So one man can readily lift it.

COMPACTNESS—To fit in your car trunk.

OPERATING EASE—A boy or woman can use it.

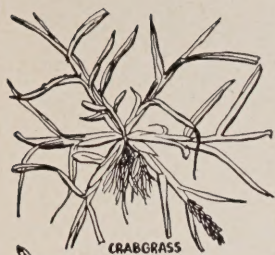
SPEED—Cuts a 34 inch swathe; cuts 4 to 6 acres a day.

ECONOMY—Cuts all day on 5 quarts of gas.

ABEL'S SEED HOUSE, READING, PA.

COMMON LAWN WEEDS

So that you may more easily know them by name, here are the pests that cause most of your lawn troubles. For easy ways to combat them, refer to the Weed Killer section on page 22.



CRABGRASS



YELLOW FOXTAIL



BROAD-LEAVED PLANTAIN



COMMON CHICKWEED



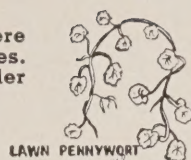
DANDELION



NARROW LEAVED PLANTAIN



HEAL-ALL



LAWN PENNYWORT



YARROW



GROUND IVY

SPRING LAWN CARE

Early spring care is necessary if you want a really good lawn. Here is the proper procedure for spring lawn care.

RAKE THE LAWN—Remove all of the debris that accumulated on the lawn during the winter. This eliminates any danger of interference with new growth of grass.

APPLY A COMPLETE, BALANCED PLANT FOOD—As soon as raking has been completed, apply plant food as directed by manufacturer. If grass has started to grow, be sure to make application when it is dry, then soak the lawn to wash plant food off the grass blades and into the soil.

RESEED THIN AND BARE SPOTS—Use from three to five pounds of good grade grass seed per 1000 square feet. Pulverize the soil in bare spots, and in seeding, use twice as much seed as used on thin turf.

ROLL THE LAWN—This operation brings the grass roots into firm contact with the soil so that growth can go on at its best. Clay soils require less rolling than others and should be rolled with a light weight roller. Do not roll the lawn when the soil is wet. Ground should be reasonably dry to avoid too much packing.

SUMMER LAWN CARE

During the summer, your lawn requires careful care for best results.

MOWING—Mow frequently but not too close. Set mower to cut about two inches high. Very close cutting, unless done extra-frequently, will injure

the grass by sudden exposure to the sun, after it has been shaded by dense growth. Mower clippings left on the lawn are beneficial, unless in sufficient quantity to smother the grass.

WATERING—A watering program cannot be set down by the calendar but must depend on your judgement. Make sure the lawn actually needs watering, then give it a thorough soaking so that the water penetrates to a depth of six to eight inches. Never sprinkle lightly. This does more harm than good for it tends to make the grass roots come too close to the surface in an effort to reach moisture.

WEED CONTROL—The many excellent, selective weed controls on the market today make weed control simple and sure. Watch for the appearance of weeds in your lawn and eliminate them immediately.

SEEDING—While early spring and late fall seedings are the most productive, don't hesitate to plant in midsummer.

Keep after those thin and bare spots. When you seed in summer, take particular care with watering and weeding.

FALL LAWN CARE

About the time fall rolls around interest in the lawn may be waning just a bit, but another feeding with a complete, balanced plant food and another seeding of bare and thin spots at this time will produce marvelous results next spring and summer.

Due to fluctuating market, prices in this catalogue are subject to change without notice.

ABEL'S 4-WAY SERVICE

For Smoother, Richer Lawns

1. THE RIGHT SEED

Just any seed can't give you the beautiful lawn you want. So we have made a very careful selection to suit the growing conditions of this territory. They are the RIGHT SEEDS for the particular needs of your own lawn.

2. THE RIGHT FOODS

Whatever the feeding problems of your lawn are, we have the right plant foods. All-purpose lawn foods or special fertilizers for special conditions. They are all here for you, in any quantity you need.

3. THE RIGHT WEED CONTROLS

The right control can make your lawn weed-free in a matter of a few days time. We have the full range of tested weed controls from which to choose—and can show you how to banish lawn weeds easily, quickly and surely.

4. COMPLETE LAWN KNOW-HOW

Last, but probably most important of all, our 4-WAY LAWN SERVICE includes competent advice whenever you want it—advice based on thorough knowledge of the lawn problems of this particular territory. We have the KNOW-HOW and it's at your command!

ABEL'S QUALITY LAWN SEED

Abel's Evergreen Lawn Grass Seed is being used on the finest lawns in Berks County

"Put Your Lawns in Our Hands"

ABEL'S EVERGREEN LAWN GRASS WITH CLOVER

This formula, after years of experimenting, has been blended carefully of grasses adapted to producing very thick growth and velvety appearance. Our grass seed is tested for purity and germination and each variety of grass in its composition is here for a special purpose—some for making fibrous roots which hold upon the soil and keep the turf in place; some of a sure creeping nature, filling up any bare spots; others for their color value; also for withstanding beating down by excessive rains.

1 lb., \$1.45; 5 lbs., \$7.00; 10 lbs., \$13.70;
25 lbs., \$33.75; 50 lbs., \$65.00; 100 lbs., \$130.00.

ABEL'S EVERGREEN LAWN SEED LESS CLOVER

1 lb., \$1.45; 5 lbs., \$7.00; 10 lbs., \$13.70;
25 lbs., \$33.75; 50 lbs., \$65.00; 100 lbs., \$130.00.

ABEL'S SHADY PLACE LAWN GRASS

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, and for sowing in such place, we recommend the use of our special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are those adapted for growing in shade. It has been successfully used on some large operations where greensward was desired on land partially shaded by old trees.

1 lb., 95c; 5 lbs., \$4.50; 10 lbs., \$8.70;
25 lbs., \$21.25; 50 lbs., \$40.00; 100 lbs., \$80.00.

ABEL'S TERRACE MIXTURE LAWN GRASS

A special mixture of grasses for sowing on terraces and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils, and produce a rich, green turf throughout the season.

1 lb., \$1.45; 5 lbs., \$7.00; 10 lbs., \$13.70;
25 lbs., \$33.75; 50 lbs., \$65.00; 100 lbs., \$130.00.

MERION BLUE GRASS ZOYSIA JAPONICA LAWN SEED MIXTURE

THE IDEAL ALL-SEASON FORMULA

• Stays green from spring to winter • Heat and drought resistant • Requires minimum mowing • Combats weeds.

1 lb., \$4.50; 5 lbs., \$22.00.

ABEL'S PENNS COMMON OR CITY PARK LAWN GRASS

Contains only grasses suitable for the purpose of making a beautiful lawn. It germinates quickly and roots deeply, enabling it to withstand the intense heat of summer. This special mixture can be recommended very highly. However, the formula and purity test does not equal that of our Evergreen Lawn Grass.

1 lb., 95c; 5 lbs., \$4.50; 10 lbs., \$8.70;
25 lbs., \$21.25; 50 lbs., \$40.00; 100 lbs., \$80.00.

ABEL'S MERION BLUE GRASS FORMULA

Produces thicker turf, stays greener all summer and stands closest mowing. 1 lb. covers 950 sq. ft., 3 times as much as standard blue grass mixtures, thus being no more expensive to sow an equal area.

Mixture as follows: 47% Merion Blue Grass, 43% Creeping Red Fescue, 10% Highland Bent.

Lb., \$2.65; 5 lbs., \$13.00.

Abel's Straight Merion Blue Grass; 1 lb., \$4.35; 5 lbs., \$21.50.

White Dutch Clover: $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.50; 5 lbs., \$7.00.

English Wild White Clover: Lb., \$2.25.

KENTUCKY BLUE GRASS—RED TOP—DOMESTIC RYE GRASS
—PERENNIAL RYE GRASS and many other grasses in stock. (Ask for prices.)